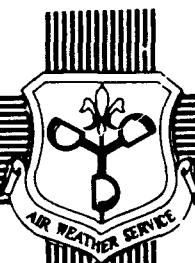


AD-A258 748

USAFETAC/DS--92/274

2



SURFACE OBSERVATION CLIMATIC SUMMARIES

for

HANAU AAF, GERMANY

Prepared by

OL-A, USAFETAC
ASHEVILLE, NORTH CAROLINA
28801-2723

MARCH 1992

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'218 SEP 1992

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11. SUPPLEMENTARY NOTES: EFFECTIVE JULY 1 1988, THIS PRODUCT REPLACED TWO USAFETAC DOCUMENTS FORMERLY KNOWN AS THE REVISED UNIFORM SUMMARY OF SURFACE OBSERVATIONS (RUSSWO) AND THE LIMITED SURFACE OBSERVATIONS CLIMATIC SUMMARY (LISOCs). EXISTING RUSSWOS AND LISOCs WILL CONTINUE IN USE, BUT WILL EVENTUALLY BE BY A SOCS.
- 12A. DISTRIBUTION/AVAILABILITY STATEMENT: APPROVED FOR PUBLIC RELEASE, DISTRIBUTION IS UNLIMITED.
13. ABSTRACT: SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) PROVIDE STATISTICAL CLIMATIC SUMMARIES OF SURFACE WEATHER OBSERVATIONS TAKEN AND RECORDED AT SPECIFIED USAF, CIVILIAN AND FOREIGN OBSERVING STATIONS. HOURLY OBSERVATIONS ARE SUMMARIZED FROM A 10-YEAR PERIOD OF RECORD (POR). "SUMMARY OF DAY" (SOD) INFORMATION IS SUMMARIZED FROM ALL AVAILABLE DATA IN THE OL-A, USAFETAC CLIMATIC DATABASE.
14. SUBJECT TERMS: CLIMATOLOGY, METEOROLOGICAL DATA, ATMOSPHERIC PHENOMENA, WEATHER, SOCS, HANAU AAF, GERMANY, CEILING, CLOUD COVER, SNOW DEPTH, HUMIDITY, PRESSURE, PRECIPITATION, SNOW TEMPERATURE, VISIBILITY, WIND.
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PREFACE

EFFECTIVE 1 JULY 1988, THE SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) REPLACED TWO OTHER USAFETAC PRODUCTS OF LONG STANDING: THE RUSSWO (REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS) AND LISOCS (LIMITED SURFACE OBSERVATION CLIMATIC SUMMARY). RUSSWOS AND LISOCS NOW IN EXISTENCE WILL CONTINUE TO BE USED UNTIL THEY ARE EVENTUALLY REPLACED BY SOCS.

THIS PRODUCT HAS BEEN ISSUED IN OTHER FORMS UNDER SEVERAL OTHER NAMES. IT WAS INTRODUCED IN THE EARLY 1940'S AS THE "SFCSUM," OR "SURFACE SUMMARY." THE ORIGINAL "USSWO," OR "UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS," DEBUTED IN 1946. THE USSWO GRADUALLY EVOLVED INTO THE "RUSSWO" AND THE "LISOCS." IT FINALLY BECAME THE NEW "SURFACE OBSERVATION CLIMATIC SUMMARIES" OR "SOCS" IN JULY 1988.

THE SOCS (LIKE ITS PREDECESSORS) IS PREPARED BY USAFETAC'S OPERATING LOCATION A AT ASHEVILLE, NC 28801-2723. HERE, CLIMATOLOGISTS USE STATE-OF-THE-ART COMPUTER TECHNOLOGY TO SUMMARIZE WEATHER OBSERVATIONS COLLECTED FROM SELECTED MILITARY, CIVILIAN, AND FOREIGN REPORTING STATIONS. SUMMARIES ARE PREPARED FROM DATA THAT HAS BEEN COLLECTED, QUALITY-CONTROLLED, AND STORED IN OL-A'S WORLDWIDE SURFACE WEATHER OBSERVATION DATABASE.

ALTHOUGH PREVIOUS VERSIONS OF THIS PRODUCT ONLY OFFERED SIX PARTS, SOCS PROVIDES EIGHT (A-H). THE ADDITIONS ARE THE CROSSWIND AND HEATING-COOLING DEGREE DAY SUMMARIES. PRECEDING EACH PART IS A BRIEF DISCUSSION OF THAT PARTICULAR PART, A DESCRIPTION OF THE DATA, AND AN EXPLANATION OF HOW THE DATA IS PRESENTED.

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*** NOTE: THE AWS CLIMATIC BRIEF IS ATTACHED AT THE END OF THE SOCS ***

INTRODUCTION

STATION PERIOD OF RECORD.

HOURLY DATA: APR 81 - MAR 91 (METAR).

SUMMARY OF DAY DATA: MAY 46 - AUG 46, NOV 64 - MAR 76 (FULL TIME).

SUMMARY OF DAY DATA: FEB 46 - APR 46, OCT 56 - OCT 64, APR 76 - FEB 91 (PART TIME).

HOURS SUMMARIZED: 0600 LST THROUGH 2200 LST.

DATA SOURCES. THESE SUMMARIES ARE COMPILED FROM "HOURLY OBSERVATIONS" AND/OR SUMMARY OF DAY DATA," DEPENDING ON THE PHENOMENA OR OCCURRENCE BEING SUMMARIZED. THE TWO SOURCES ARE DEFINED IN "TERMS EXPLAINED."

TERMS EXPLAINED:

BIVARIATE DISTRIBUTION: A BIVARIATE DISTRIBUTION GIVES THE JOINT DISTRIBUTIONS OF TWO RELATED VARIABLES. AN EXAMPLE IS THE BIVARIATE DISTRIBUTION OF CEILING AND VISIBILITIES IN PART D. EACH ROW AND EACH COLUMN OF A BIVARIATE DISTRIBUTION IS A FREQUENCY DISTRIBUTION. JOINT FREQUENCIES ARE FOUND AT THE ROW-COLUMN INTERSECTIONS.

HOURLY OBSERVATIONS: ALL RECORD OR RECORD-SPECIAL OBSERVATIONS ON AWS FORMS 10/10A (OR EQUIVALENT) AT SCHEDULED HOURLY INTERVALS.

SUMMARY OF DAY (SOD) DATA: DATA COMPILED FROM ALL AVAILABLE OBSERVATIONAL SOURCES, INCLUDING HOURLY OBSERVATIONS, SPECIAL OBSERVATIONS, REMARKS, AND ACTUAL "SUMMARY OF DAY" DATA RECORDED IN COLUMNS 44-73 OF AWS FORMS 10/10A (OR EQUIVALENT) FOR ANY GIVEN DAY. NOTE: EXTREMES OCCURRING DURING NON-OPERATIONAL HOURS AND/OR DAYS ARE NOT REFLECTED IN THESE SUMMARIES.

MEAN: THE SUM OF ALL THE VALUES DIVIDED BY THE NUMBER OF VALUES.

MEASURABLE AMOUNT: ANY PRECIPITATION OR SNOWFALL AMOUNT GREATER THAN A TRACE.

MEDIAN: THE MIDDLE VALUE WHEN THE VALUES ARE IN ASCENDING ORDER. IF THE NUMBER OF VALUES IS EVEN, THE MEDIAN IS HALFWAY BETWEEN THE TWO MIDDLE VALUES.

PERCENT OCCURRENCE FREQUENCY (POF): IN STATISTICS, FREQUENCY IS THE NUMBER OF TIMES A GIVEN COUNT OR EVENT OCCURS. IN THE SOCS, THIS IS EXPRESSED AS THE PERCENT OCCURRENCE FREQUENCY (POF), WHERE THE FREQUENCY (NUMBER OF OCCURRENCES) IS GIVEN AS A PERCENT OF ALL POSSIBLE OCCURRENCES IN THE SAMPLE (PERIOD SUMMARIZED). FOR EXAMPLE, IF SNOW FELL ON 5 OUT OF 100 DAYS WE COULD EXPRESS THE "PERCENT OCCURRENCE FREQUENCY" OF SNOW AS 5 PERCENT OVER THE 100-DAY PERIOD. MAY BE USED INTERCHANGEABLY WITH "PERCENT FREQUENCY OF OCCURRENCE."

PERIOD OF RECORD: THE SIZE OF THE OBSERVATIONAL DATA SAMPLE, IN YEARS.

PRECIPITATION: A TERM THAT INCLUDES BOTH LIQUID PRECIPITATION AND WATER EQUIVALENT.

STANDARD DEVIATION: A MEASURE OF DISPERSION ON THE VARIABILITY OF THE QUANTITY CONCERNED ABOUT ITS ARITHMETIC MEAN. THE LARGER THE STANDARD DEVIATION, THE GREATER THE VARIABILITY.

TIME CONVENTIONS: ALL TIMES IN THE SOCS ARE EXPRESSED IN LOCAL STANDARD TIME (LST). USERS SHOULD MAKE ADJUSTMENTS FOR DAYLIGHT SAVING TIMES IN THEIR AREAS. IN SUMMARIES THAT SHOW DIURNAL VARIATIONS, THE DATA IS SUMMARIZED USING THE FOLLOWING STANDARD 3-HOUR PERIODS (ALL LST):

0000-0200	1200-1400
0300-0500	1500-1700
0600-0800	1800-2000
0900-1100	2100-2300

NOTE 1. DURING PART TIME PERIODS, THE FIRST AND LAST 3-HOUR PERIODS MAY HAVE SIGNIFICANT SHORTFALLS IN OBSERVATION COUNTS.

ABBREVIATIONS USED:

AMT	AMOUNT	LT	LESS THAN
ANN	ANNUAL	M	METER
BARO	BAROMETER	MB	MILLIBAR
C	CENTIGRADE (CELSIUS)	MPS	METERS PER SECOND
DEG	DEGREE	MSL	MEAN SEA LEVEL
DB	DRY BULB TEMPERATURE	MEAS	MEASURABLE
DP	DEW POINT TEMPERATURE	NO.	NUMBER
EQ	EQUAL	OBS	OBSERVATION
F	FAHRENHEIT	OBST	OBSTRUCTION
FRZG	FREEZING	POF	PERCENT OCCURRENCE FREQUENCY
FT	FEET	PRECIP	PRECIPITATION
GE	GREATER THAN OR EQUAL TO	SD	STANDARD DEVIATION
GMT	GREENWICH MEAN TIME	SOD	SUMMARY OF DAY
GT	GREATER THAN	TEMP	TEMPERATURE
HG	INCHES OF MERCURY	TSTM	THUNDERSTORM
HT	HEIGHT	VSBY	VISIBILITY
KTS	KNOTS	VSN	VISION
LE	LESS THAN OR EQUAL TO	WB	WET BULB TEMPERATURE
LST	LOCAL STANDARD TIME	WBAN	AWS FORM 10/10A
		UTC	*COORDINATED UNIVERSAL TIME

SUMMARY DESCRIPTION: A BRIEF DESCRIPTION OF THE DATA PRECEDES EACH PART IN THE SOCS.

* UTC REPLACED GMT ON 1 AUGUST 1988

NOTE: OL-A/USAFETAC DERIVES STATION LATITUDE/LONGITUDE COORDINATES AND AIRFIELD ELEVATION DATA FROM THE AWS MASTER STATION CATALOG. THIS INFORMATION IS PRESENTED ON THE AWS CLIMATIC BRIEF FOR EACH STATION. THE STATION DATA MAY DIFFER FROM INFORMATION CONTAINED IN THE SOCS STATION HISTORY (DATA SUPPLIED BY AWS UNITS). THE STATION DATA MAY ALSO VARY FROM DATA PRESENTED IN DOD FLIGHT INFORMATION PUBLICATIONS (FLIP).

STATION NO. ON SUMMARY 106420	STATION NAME BANAU AAF, GERMANY	LATITUDE N 50 10	LONGITUDE E 008 58	FLD ELEV (FT) 368	CALL SIGN EDID	WHO NMBR 10642
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STATION LOCATION AND INSTRUMENTATION HISTORY									
Nbr of Loc	GEOGRAPHICAL LOCATION & NAME	Type of Station	At This Location		LATITUDE	LONGITUDE	Elev Above MSL		OBS PER DAY
			From	To			FLD (FT)	BARO (FT)	
1	Banau AAF, Germany	AAF	May 46	Aug 46	N 50 10	E 008 58	377	377	24
2	Same	Same	Apr 56	Jun 61	Same	E 008 57	Same	Same	15
3	Same	Same	Jul 61	Oct 64	Same	Same	Same	373	15
4	Same	Same	Nov 64	Jun 70	Same	Same	Same	Same	24
5	Same	Same	Jul 70	Dec 72	Same	Same	Same	380	24
6	Same	Same	Dec 72	Feb 76	Same	E 008 58	369	371	24
7	Same	Same	Mar 76	Jan 88	Same	Same	368	Same	15
8									

Nbr of Loc	Date of Change	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	May 46	Atop Terminal Bldg	Selsyn	None	62 ft	
2	Apr 56	Atop weather station	AN/GNQ-1	None	40 ft	
3	Mar 60	Atop control tower	AN/GNQ-11	None	50 ft	
4	Mar 63	Same	Same	None	60 ft	
5	Mar 66	500' N ctrln rwy 28,700' fm end	Same	RO-2	13 ft	
6	Dec 72	Same	Same	RO-362	Same	
7	Jan 88	Same	AN/GNQ-20	Same	Same	

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTT	AAAAAA
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	AAAAAAA
PP PP	AA AA	RR RR	TT	AA AA
PP PP	AA AA	RR RR	TT	AA AA
PPPPPPPP	AA AA	RRRRRRRR	TT	AA AA
PPPPPPPP	AAAAAAAAA	RRRRRRRR	TT	AAAAAAAAA
PP	AAAAAAAAA	RR RR	TT	AAAAAAAAA
PP	AA AA	RR RR	TT	AA AA
PP	AA AA	RR RR	TT	AA AA
PP	AA AA	RR RR	TT	AA AA

A - 1 - 1

PART A

ATMOSPHERIC PHENOMENA SUMMARIES

THIS PART SUMMARIZES SPECIFIED ATMOSPHERIC PHENOMENA IN CATEGORIES AS FOLLOWS:

THUNDERSTORMS: ALL REPORTED OCCURRENCES OF THUNDERSTORMS, TORNADOES, AND WATERSPOUTS.

LIQUID PRECIPITATION: RAIN OR DRIZZLE FALLING TO THE GROUND BUT NOT FREEZING.

FREEZING PRECIPITATION: FREEZING RAIN OR FREEZING DRIZZLE (GLAZE).

FROZEN PRECIPITATION: SNOW, SNOW PELLETS, SLEET, SNOW GRAINS, ICE CRYSTALS, ICE PELLETS. IN JANUARY 1968, SNOW PELLETS BECAME KNOWN AS SMALL HAIL.

HAIL: ALL OCCURRENCES OF HAIL.

ALL PRECIPITATION: INCLUDES ALL OBSERVATIONS REPORTING PRECIPITATION. BECAUSE MORE THAN ONE TYPE OF PRECIPITATION MAY BE INCLUDED IN THE SAME OBSERVATION, THE SUM OF PERCENTAGES IN THE INDIVIDUAL CATEGORIES MAY EXCEED THE PERCENTAGES IN THIS CATEGORY.

FOG: INCLUDES ALL REPORTED FOG, ICE FOG, AND GROUND FOG.

SMOKE AND/OR HAZE: SMOKE, HAZE, OR COMBINATIONS OF THE TWO.

BLOWING SNOW: ALL REPORTS OF BLOWING SNOW, INCLUDING DRIFTING SNOW, WHEN REPORTED.

DUST AND/OR SAND: DUST, SAND, BLOWING DUST, BLOWING SAND, OR COMBINATIONS OF THESE.

BLOWING SPRAY: THE "ALL OBSTRUCTIONS TO VISION" CATEGORY ACCOUNTS FOR BLOWING SPRAY, IF AND AS REPORTED.

ALL OBSTRUCTIONS TO VISION: THIS CATEGORY INCLUDES ALL REPORTS OF OBSTRUCTIONS TO VISION. SINCE THE OCCURRENCE OF MORE THAN ONE OBSTRUCTION TO VISION MAY BE REPORTED IN THE SAME OBSERVATION, THE SUM OF THE PERCENTAGES IN THE INDIVIDUAL CATEGORIES MAY EXCEED THE PERCENTAGES IN THIS CATEGORY.

SPECIFIED PHENOMENA--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES GIVE THE PERCENT OCCURRENCE FREQUENCY (POF) FOR THE ATMOSPHERIC PHENOMENA SHOWN. THE DATA WAS TAKEN FROM HOURLY OBSERVATIONS ONLY, AND IS SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

SPECIFIED PHENOMENA--PERCENT OCCURRENCE FREQUENCY (POF).

THIS TABLE IS THE ONLY ONE IN PART A THAT IS PRODUCED FROM SUMMARY OF DAY DATA. DATA IS SUMMARIZED MONTHLY AND ANNUALLY FOR ALL YEARS COMBINED.

THUNDERSTORMS--PERCENT OCCURRENCE FREQUENCY.

THIS TABLE GIVES THE PERCENT OCCURRENCE FREQUENCY OF THUNDERSTORMS REPORTED ON THE HOURLY OBSERVATION. DATA IS SUMMARIZED SAME AS FOR FIRST TABLE IN THIS PART.

SPECIFIED PHENOMENA VS WIND DIRECTION--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES INCLUDE SUMMARY OF MONTH FOR ALL HOURS AND YEARS COMBINED. WIND DIRECTION CATEGORIES ARE AS SPECIFIED BY THE LOCAL WEATHER STATION.

NOTE 1: REPORTING PRACTICES HAVE CHANGED WITH TIME. METAR AND SYNOPTIC REPORTING STATIONS RECORD (ON AWS FORMS 10/10A) AND TRANSMIT LONGLINE ONLY THE HIGHEST ORDER ATMOSPHERIC PHENOMENA THAT AFFECTS VISIBILITY. METAR STATIONS STARTED THIS PROCEDURE IN JANUARY 1968, BUT SYNOPTIC STATIONS ALWAYS DID IT THAT WAY. IN JANUARY 1970, METAR STATIONS STARTED RECORDING ALL ATMOSPHERIC PHENOMENA THAT AFFECTED VISIBILITY, BUT CONTINUED TO TRANSMIT ONLY THE HIGHEST ORDER. FOR EXAMPLE, IF THE RECORDED OBSERVATION INCLUDED RAIN, FOG AND HAZE, ONLY THE RAIN WAS TRANSMITTED. BECAUSE OF THESE PROCEDURES, THE USAFETAC DATABASE WOULD SHOW ONLY RAIN AS AN OBSTRUCTION. THEREFORE, THE OBSTRUCTION TO VISION (AND TO A LESSER EXTENT, PRECIPITATION) SUMMARIES FOR METAR AND SYNOPTIC STATIONS ARE HIGHLY QUESTIONABLE.

NOTE 2: FOREIGN METAR REPORTING STATIONS FREQUENTLY DO NOT TRANSMIT OBSTRUCTIONS TO VISION WHEN VISIBILITIES EXCEED 1000 METERS.

NOTE 3: A VALUE OF ".0" IN ANY SUMMARY REPRESENTS ONE OR MORE OCCURRENCES THAT, IN AGGREGATE, AMOUNT TO LESS THAN .05 PERCENT.

NOTE 4: DURING PART TIME PERIODS, THESE TABLES MAY NOT ACCURATELY REFLECT NIGHTTIME AND/OR WEEKEND OCCURRENCES OF CERTAIN PHENOMENA.

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JAN

HOURS (LST)	TSMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02												0
03-05												0
06-08		17.3	.8	5.7		23.8	42.0	.2			66.0	509
09-11		15.2	.8	6.7		22.6	39.1	.9			62.6	645
12-14		12.9	.5	5.0		18.3	31.4	4.8			54.5	644
15-17	.2	13.3	.3	4.8		18.4	27.1	6.6			52.1	641
18-20		12.1	.2	5.1		17.4	39.0	3.1			59.5	454
21-23		11.7		5.3		17.0	43.3	2.8			63.2	247
ALL HOURS	.0	13.9	.5	5.4		19.9	35.9	3.2			58.9	3140

MONTH: FEB

00-02												0
03-05												0
06-08		9.1		9.1		18.2	42.6	6.1			66.9	462
09-11		9.2		12.9		22.1	33.7	10.9			66.7	597
12-14	.2	10.2		8.9		19.1	19.5	21.0			59.6	596
15-17		7.6		7.7		15.3	17.8	21.4			54.5	594
18-20		8.7		3.0		11.6	23.5	20.3			55.4	473
21-23	.7	8.2		2.5		10.7	30.0	17.1			57.9	280
ALL HOURS	.1	8.9		8.0		16.9	27.1	16.3			60.3	3002

A - 2 - 1

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAR

HOURS (LST)	TSINS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSM	TOTAL NO. OF OBS
00-02												0
03-05												0
06-08		17.2		4.4		21.6	46.2	4.2			71.9	524
09-11		15.2		3.3		18.5	30.0	17.3			65.9	669
12-14	.3	14.3		2.4		16.7	11.0	25.0			52.8	663
15-17	.3	13.9		1.2		15.1	6.6	19.8			41.6	647
18-20	.2	13.3		1.3		14.7	13.8	19.7			48.1	457
21-23		12.3		.8		13.1	30.1	11.9			55.1	236
ALL HOURS	.2	14.6		2.4		17.0	21.7	17.2			55.9	3196

MONTH: APR

00-02												0
03-05												0
06-08		15.7		3.1		18.8	37.5	5.4			61.7	645
09-11	.2	13.7		2.4		16.1	14.6	15.2			45.8	659
12-14	.5	13.2		1.1	.2	14.4	3.1	11.7			29.1	652
15-17	.7	11.0		1.0		11.9	2.8	7.7			22.4	611
18-20	1.2	9.4		1.0		10.3	6.0	6.4			22.8	513
21-23	.7	11.4		.7		12.1	14.3	5.9			32.4	272
ALL HOURS	.5	12.6		1.7	.0	14.3	13.3	9.2			36.8	3352

A - 2 - 2

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAY

HOURS (LST)	TSING	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HALE	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VEH	TOTAL NO. OF OBS
00-02												0
03-05												0
06-08		14.0				14.0	31.8	6.5			52.4	628
09-11	.2	14.2				14.2	9.5	12.7			36.5	639
12-14	.9	15.7				15.7	1.9	6.5			24.1	632
15-17	3.6	15.1			.2	15.3	1.3	3.4			20.0	615
18-20	1.8	13.6				13.6	5.6	1.8			21.0	501
21-23	1.4	13.3			.3	13.6	15.7	4.9			34.3	286
ALL HOURS	1.3	14.5			.1	14.5	10.7	6.3			31.5	3301

MONTH: JUN

00-02												0
03-05												0
06-08	.6	11.2				11.2	27.5	7.7			46.4	651
09-11	.5	13.1				13.1	6.9	12.0			32.0	649
12-14	1.6	10.9				10.9	4.8	5.6			21.2	645
15-17	3.4	9.5				9.5	3.9	4.1			17.5	610
18-20	1.7	10.8				10.8	2.9	3.3			17.0	481
21-23	1.7	10.8				10.8	14.6	3.8			29.2	288
ALL HOURS	1.5	11.1				11.1	10.1	6.5			27.7	3324

A - 2 - 3

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUL

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02												0
03-05												0
06-08	1.1	8.3				8.3	28.2	6.6			43.0	639
09-11	.3	8.0				8.0	7.8	9.7			25.6	637
12-14	.9	7.0				7.0	2.4	6.3			15.7	632
15-17	1.1	3.8				3.8	1.7	4.9			10.4	633
18-20	1.6	5.6				5.6	2.6	4.7			13.0	571
21-23	1.4	4.3				4.3	13.5	10.1			27.9	348
ALL HOURS	1.0	6.3				6.3	9.2	6.8			22.4	3460

MONTH: AUG

00-02												0
03-05												0
06-08	.6	7.0				7.0	45.6	7.0			59.7	667
09-11	.4	5.7				5.7	15.2	20.6			41.4	671
12-14	.1	5.0				5.0	1.9	12.5			19.4	674
15-17	1.2	4.8				4.8	1.7	9.6			16.2	643
18-20	1.3	5.0				5.0	4.6	10.6			20.3	538
21-23	2.3	6.0				6.0	20.4	10.7			37.1	299
ALL HOURS	.9	5.6				5.6	14.8	12.0			32.4	3492

A - 2 - 4

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: SEP

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02												0
03-05												0
06-08		7.9				7.9	56.5	2.8			67.2	646
09-11		6.6				6.6	23.3	19.9			49.8	653
12-14	.5	8.5				8.5	5.3	16.0			29.9	656
15-17	.3	7.7				7.7	2.5	15.2			25.4	598
18-20	1.4	10.3				10.3	15.9	12.0			38.2	484
21-23		12.8				12.8	30.0	7.6			50.3	290
ALL HOURS	.4	8.5				8.5	22.0	12.7			43.2	3327

MONTH: OCT

00-02												0
03-05												0
06-08		11.3				11.3	60.8	.2			72.3	530
09-11		13.2				13.2	39.3	8.8			61.3	628
12-14		10.6				10.6	16.2	17.8			44.6	624
15-17		9.8				9.8	13.0	17.5			40.3	623
18-20	.2	9.8				9.8	41.6	6.8			58.2	512
21-23	.3	9.4				9.4	54.9	4.2			68.4	288
ALL HOURS	.1	10.8				10.8	35.0	10.1			55.9	3205

A - 2 - 5

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: NOV

HOURS (LST)	TSDMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSM	TOTAL NO. OF OBS
00-02												0
03-05												0
06-08		9.4		1.3		10.6	55.7	.4			66.8	479
09-11		9.5		2.4		11.9	46.3	3.6			61.8	579
12-14		9.5		2.8		12.3	27.6	14.0			53.9	579
15-17		11.5		3.0		14.5	27.0	13.4			54.9	574
18-20	.4	12.4		1.3		13.6	47.4	5.0			66.0	477
21-23		11.6		2.7		14.3	49.2	1.9			65.5	258
ALL HOURS	.1	10.5		2.2		12.8	40.8	7.1			60.7	2946

MONTH: DEC

00-02												0
03-05												0
06-08		20.5	.4	1.2		22.2	46.8	.2			69.2	483
09-11	.2	14.0	.2	4.7		18.9	43.9	1.6			64.4	620
12-14		13.8	.2	3.8		17.8	30.6	5.6			54.0	607
15-17	.3	14.3		3.6		17.9	33.0	5.9			56.8	581
18-20	.3	15.1		2.4		17.5	43.6	2.1			63.2	337
21-23		12.9		1.8		14.6	48.5	.6			63.7	171
ALL HOURS	.1	15.2	.1	3.2		18.6	39.5	3.1			61.2	2799

A - 2 - 6

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
HOURS: ALL

MONTH	TSOPS	LIQUID PRECIP	FREEZE PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
JAN	.0	13.9	.5	5.4		19.9	35.9	3.2			58.9	3140
FEB	.1	8.9		8.0		16.9	27.1	16.3			60.3	3002
MAR	.2	14.6		2.4		17.0	21.7	17.2			55.9	3196
APR	.5	12.6		1.7	.0	14.3	13.3	9.2			36.8	3352
MAY	1.3	14.5			.1	14.5	10.7	6.3			31.5	3301
JUN	1.5	11.1				11.1	10.1	6.5			27.7	3324
JUL	1.0	6.3				6.3	9.2	6.8			22.4	3460
AUG	.9	5.6				5.6	14.8	12.0			32.4	3492
SEP	.4	8.5				8.5	22.0	12.7			43.2	3327
OCT	.1	10.8				10.8	35.0	10.1			55.9	3205
NOV	.1	10.5		2.2		12.8	40.8	7.1			60.7	2946
DEC	.1	15.2	.1	3.2		18.6	39.5	3.1			61.2	2799
ANNUAL	.5	11.0	.0	1.8	.0	12.8	22.7	9.3			44.8	38544

A - 2 - 7

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: -01

PERIOD OF RECORD: 4602-4608,5604-5604,5610-9102
MONTH: ALL HOURS: ALL

MONTH	TOTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	RAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
JAN	.7	44.4	3.7	27.6	.1	61.9	72.8	49.6	.1		95.6	916
FEB	1.4	39.1	.6	25.4	.6	53.4	67.4	60.6	.2		93.7	852
MAR	2.5	45.0	.1	13.2	.5	51.7	59.8	66.4			92.8	965
APR	6.0	49.8		5.9	1.3	50.6	50.8	58.4			83.6	950
MAY	12.6	50.8		.2	.6	50.8	51.2	51.3			77.9	943
JUN	18.1	49.2			.6	49.2	53.6	50.2			79.2	928
JUL	13.5	45.1			.5	45.1	53.7	52.3			78.9	927
AUG	12.0	44.6			.1	44.6	62.1	59.5			84.1	897
SEP	5.9	40.7			.1	40.7	74.2	65.1			90.6	885
OCT	1.3	41.9		.3	.1	41.9	77.8	62.0			93.6	924
NOV	.1	49.3	.3	11.8		54.3	75.1	53.4			94.7	874
DEC	.9	45.0	1.6	20.8		57.5	75.6	52.6			95.6	873
ANNUAL	6.3	45.5	.5	8.6	.4	50.1	64.3	56.8	.0		88.2	10934

A - 3 - 1

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF THUNDERSTORMS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: EAKAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91

HOURLS (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
00-02												
03-05												
06-08						.6	1.1	.6				
09-11				.2	.2	.5	.3	.4				.2
12-14		.2	.3	.5	.9	1.6	.9	.1	.5			
15-17	.2		.3	.7	3.6	3.4	1.1	1.2	.3			.3
18-20			.2	1.2	1.8	1.7	1.6	1.3	1.4	.2	.4	.3
21-23		.7		.7	1.4	1.7	1.4	2.3		.3		
ALL HOURS	.0	.1	.2	.5	1.3	1.5	1.0	.9	.4	.1	.1	.1
TOTAL OBS	3140	3002	3196	3352	3301	3324	3460	3492	3327	3205	2946	2799

A - 4 - 1

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF FL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JAN HOURS: ALL

PHENOMENA	CALM	VARIABLE	321 - 040	041 - 100	101 - 180	181 - 260	261 - 320	NO OF OBS
TOTALS						100.0		1
LIQUID PRECIP	9.2	8.7	.9	1.8	21.1	54.4	3.9	436
FREESING PRECIP	13.3				73.3	13.3		15
FROZEN PRECIP	21.2	2.7	26.0	6.2	17.1	20.5	6.2	146
FOG	40.2	.4	8.3	6.8	24.4	17.5	2.3	1126
FOG WITH VIS OR 1/2 MILES	38.2	.4	8.4	7.2	25.5	18.2	2.1	1071
TOTAL OBS	644	80	214	170	508	851	131	2598

MONTH: FEB HOURS: ALL

TOTALS						33.3	66.7	3
LIQUID PRECIP	7.5	11.3	2.6	3.8	18.5	48.7	7.5	265
FREESING PRECIP								
FROZEN PRECIP	22.4	3.7	27.1	6.5	15.0	9.8	15.4	214
FOG	40.0	.6	23.6	9.9	11.2	11.2	3.6	815
FOG WITH VIS OR 1/2 MILES	38.8	.6	24.0	10.1	11.4	11.4	3.6	799
TOTAL OBS	634	85	545	314	226	393	172	2369

A - 5 - 1

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAR HOURS: ALL

PHENOMENA	CALM	VARIABLE	321 - 040	041 - 100	101 - 180	181 - 260	261 - 320	NO OF OBS
THDS		60.0			20.0	20.0		5
LIQUID PRECIP	12.1	5.4	4.3	3.5	28.5	37.4	8.9	463
FREESING PRECIP								
FROZEN PRECIP	16.4	3.6	14.5		18.2	29.1	18.2	55
FOG	45.7	.7	16.3	9.0	9.5	15.8	3.0	692
FOG WITH VIS GE 1/2 MILES	45.1	.7	16.2	8.9	9.8	16.1	3.1	672
TOTAL OBS	556	90	407	223	384	613	187	2460

MONTH: APR HOURS: ALL

THDS			17.6		5.9	41.2	35.3	17
LIQUID PRECIP	6.6	1.2	18.0	4.1	14.9	35.4	19.8	410
FREESING PRECIP								
FROZEN PRECIP	11.6	4.7	48.8		7.0	9.3	18.6	43
FOG	45.6	.9	21.8	5.6	8.5	10.6	7.0	445
FOG WITH VIS GE 1/2 MILES	45.2	.9	21.7	5.2	8.5	11.1	7.3	423
TOTAL OBS	484	72	615	253	283	558	327	2592

A - 5 - 2

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAY HOURS: ALL

PHENOMENA	CALM	VARIABLE	321 - 040	041 - 100	101 - 180	181 - 260	261 - 320	NO OF OBS
TSTMS		4.8	7.1	9.5	16.7	50.0	11.9	42
LIQUID PRECIP	9.3	2.6	15.7	4.0	18.3	35.3	14.8	453
FREEZING PRECIP								
FROZEN PRECIP								
FOG	43.2	.8	13.6	4.8	15.8	14.4	7.3	354
FOG WITH VIS GE 1/2 MILES	42.9	.9	12.9	4.7	15.9	15.0	7.6	340
TOTAL OBS	525	59	369	181	370	652	266	2422

MONTH: JUN HOURS: ALL

PHENOMENA	CALM	VARIABLE	321 - 040	041 - 100	101 - 180	181 - 260	261 - 320	NO OF OBS
TSTMS	3.9	11.8	9.8	13.7	11.8	29.4	19.6	51
LIQUID PRECIP	13.0	2.1	13.0	2.7	17.7	36.6	15.0	339
FREEZING PRECIP								
FROZEN PRECIP								
FOG	36.7	.6	12.2	3.0	14.0	23.3	10.1	335
FOG WITH VIS GE 1/2 MILES	36.5	.6	12.5	3.0	13.4	23.7	10.3	329
TOTAL OBS	508	57	439	170	294	689	375	2532

A - 5 - 3

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUL HOURS: ALL

PHENOMENA	CALM	VARIABLE	321 - 040	041 - 100	101 - 180	181 - 260	261 - 320	NO OF OBS
TSRMS	13.9	2.8	19.4	11.1	5.6	30.6	16.7	36
LIQUID PRECIP	11.5	6.5	13.5	3.0	17.5	35.0	13.0	200
FREEZING PRECIP								
FROZEN PRECIP								
FOG	48.1		12.3	3.8	7.9	20.4	7.5	318
FOG WITH VIS GE 1/2 MILES	47.8		12.4	3.8	8.0	20.4	7.6	314
TOTAL OBS	578	55	405	176	265	576	382	2437

MONTH: AUG HOURS: ALL

TSRMS	10.0		26.7	13.3	10.0	13.3	26.7	30
LIQUID PRECIP	21.0	2.8	7.2	1.7	7.7	41.4	18.2	181
FREEZING PRECIP								
FROZEN PRECIP								
FOG	59.5	.6	12.6	4.3	6.0	13.0	4.1	516
FOG WITH VIS GE 1/2 MILES	59.1	.6	12.3	4.3	5.9	13.6	4.3	494
TOTAL OBS	739	40	293	203	246	597	257	2375

A - 5 - 4

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: SEP HOURS: ALL

PHENOMENA	CALM	VARIABLE	321 - 040	041 - 100	101 - 180	181 - 260	261 - 320	NO OF OBS
TSIMS				16.7	16.7	58.3	8.3	12
LIQUID PRECIP	10.5	7.2	18.8	.7	17.3	38.6	6.9	277
FREEZING PRECIP								
FROZEN PRECIP								
FOG	61.6	.4	6.3	6.0	9.4	13.7	2.6	731
FOG WITH VIS OR 1/2 MILES	61.2	.4	6.3	5.7	9.4	14.2	2.8	688
TOTAL OBS	833	58	239	134	335	699	171	2469

MONTH: OCT HOURS: ALL

TSIMS						100.0		2
LIQUID PRECIP	14.7	7.5	4.9	5.2	24.5	39.2	4.0	347
FREEZING PRECIP								
FROZEN PRECIP								
FOG	51.4	.4	7.5	10.1	13.3	15.3	2.0	1122
FOG WITH VIS OR 1/2 MILES	50.1	.4	7.4	10.5	13.3	16.2	2.1	1041
TOTAL OBS	846	58	171	221	450	729	89	2564

A - 5 - 5

OPERATING LOCATION "A"
USAFETAC, ASSEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: NOV HOURS: ALL

PHENOMENA	CALM	VARIABLE	321 - 040	041 - 100	101 - 180	181 - 260	261 - 320	NO OF OBS
TSTMS						50.0	50.0	2
LIQUID PRECIP	18.2	1.9	5.5	4.9	23.1	41.2	5.2	308
FREEZING PRECIP								
FROZEN PRECIP	13.3		26.7		25.0	26.7	8.3	60
FOG	44.3	.1	11.4	7.0	17.8	16.5	3.0	1203
FOG WITH VIS OR 1/2 MILES	43.3	.1	11.1	6.7	17.9	17.9	2.9	1098
TOTAL OBS	752	13	251	182	410	580	138	2326

MONTH: DEC HOURS: ALL

TSTMS		25.0				50.0	25.0	4
LIQUID PRECIP	12.6	6.6	3.3	3.6	15.2	53.8	5.0	422
FREEZING PRECIP		25.0			25.0	50.0		4
FROZEN PRECIP	20.9		10.5	29.1	8.1	27.9	3.5	86
FOG	42.7	.3	9.1	8.7	16.8	20.1	2.3	1107
FOG WITH VIS OR 1/2 MILES	40.7	.3	9.2	8.7	17.5	21.3	2.3	1040
TOTAL OBS	633	43	161	194	367	756	91	2245

A - 5 - 6

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTHS: ALL

PHENOMENA	CALM	VARIABLE	321 - 040	041 - 100	101 - 180	181 - 260	261 - 320	NO OF OBS
TSNS	4.9	6.3	12.7	10.2	10.7	35.6	19.5	205
LIQUID PRECIP	11.7	5.2	8.8	3.3	19.4	41.7	9.9	4101
FREEZING PRECIP	10.5	5.3			63.2	21.1		19
FROZEN PRECIP	19.7	2.6	24.8	7.9	15.2	18.4	11.3	604
FOG	46.4	.4	12.1	7.3	14.2	16.0	3.6	8764
FOG WITH VIS GE 1/2 MILES	45.3	.4	12.1	7.4	14.4	16.7	3.7	8309
TOTAL OBS	7732	710	4109	2421	4138	7693	2586	29389

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PART B

PRECIPITATION, SNOWFALL, SNOW DEPTH SUMMARIES

ALL TABLES IN PART B ARE CREATED FROM SUMMARY OF DAY (SOD) DATA.

PERCENT OCCURRENCE FREQUENCY.

THESE TABLES GIVE THE PERCENT OCCURRENCE FREQUENCY OF PRECIPITATION, SNOWFALL AND SNOW DEPTH. DATA IS SUMMARIZED FOR ALL YEARS COMBINED. SUMMARIES INCLUDE THE PERCENT OF DAYS WITH MEASURABLE AMOUNTS, PERCENT OF DAYS WITH NO AMOUNTS, PERCENT OF DAYS WITH TRACES, AND PERCENT OF DAYS WITH SPECIFIED AMOUNTS. SUMMARIES ALSO PROVIDE AN OBSERVATION COUNT. A VALUE OF ".0" INDICATES ONE OR MORE OCCURRENCES THAT, IN AGGREGATE, AMOUNT TO LESS THAN .05 PERCENT.

MONTHLY TOTALS.

THESE TABLES GIVE THE TOTAL MONTHLY PRECIPITATION AND SNOWFALL RESPECTIVELY. THEY ARE SUMMARIZED BY MONTH FOR ALL YEARS. THE TABLES ALSO GIVE THE GREATEST AMOUNTS, LEAST AMOUNTS, MEAN, MEDIAN, STANDARD DEVIATIONS, AND TOTAL AVAILABLE OBSERVATIONS. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS. INCOMPLETE MONTHS/YEARS ARE NOT INCLUDED IN STATISTICAL COMPUTATIONS. NOTE: LEAST AMOUNTS ARE DERIVED FROM COMPLETE MONTHS/YEARS ONLY. ".00" MEANS NO PRECIPITATION FOR THE MONTH, ".0" MEANS NO SNOWFALL FOR THE MONTH.

DAILY EXTREMES.

THESE TABLES GIVE THE MAXIMUM DAILY REPORTED AMOUNTS (BY INDIVIDUAL YEAR-MONTH) FOR PRECIPITATION, SNOWFALL, AND SNOW DEPTH, RESPECTIVELY. THEY SHOW THE GREATEST AMOUNTS FOR EACH MONTH AND THE TOTAL NUMBER OF AVAILABLE OBSERVATIONS FOR EACH MONTH AND YEAR. AN ASTERISK (*) INDICATES A MONTH FOR WHICH LESS THAN 90% OF DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS. ".00" MEANS NO PRECIPITATION FOR THE MONTH, ".0" MEANS NO SNOWFALL FOR THE MONTH, AND "0" MEANS NO SNOW DEPTH FOR THE MONTH.

SNOWFALL/SNOW DEPTH--FIRST AND LAST DAYS OF OCCURRENCE BY SNOW YEAR.

THIS SUMMARY GIVES THE FIRST AND LAST OCCURRENCES OF SNOWFALL AND SNOW DEPTH FOR THE SNOW-YEAR DURING THE PERIOD OF RECORD. FOR THIS SUMMARY, THE SNOW-YEAR IS CONSIDERED TO RUN FROM 1 AUGUST TO 31 JULY. TABLES SUMMARIZE THE DATA BY SNOW-YEAR, BY MONTH, AND BY DAY. THE FIRST (OR LAST) ENTRY IN COLUMN 69 OF AWS FORMS 10/10A (OR EQUIVALENT) AS EITHER A TRACE OR A MEASURABLE AMOUNT DEFINES THE FIRST (OR LAST) SNOWFALL FOR THE YEAR. THE FIRST (OR LAST) ENTRY IN COLUMN 69 OTHER THAN ".0" OR "TRACE" DEFINES THE FIRST (OR LAST) MEASURABLE SNOWFALL. FINALLY, THE 1200 GMT ENTRY COLUMN 70 OF AWS FORM 10/10A (OR EQUIVALENT) DEFINES THE FIRST (OR LAST) OCCURRENCE OF SNOW DEPTH. THE LAST SNOW DEPTH IS CONSIDERED THE LAST SNOW MELT. THIS SUMMARY IS NOT PROVIDED WHEN NO SNOWFALL OCCURS DURING THE GIVEN PER.

NOTE 1. IF THE MINIMUM AMOUNT RECORDED IN THE MONTHLY TOTALS OR DAILY EXTREMES IS A TRACE, THE WORD "TRACE" WILL APPEAR IN THE APPROPRIATE COLUMN.

NOTE 2. TABLES INCLUDE STATISTICAL DATA ONLY WHEN FIVE (5) OR MORE SETS OF COMPLETE MONTHS ARE AVAILABLE.

NOTE 3. THE OBSERVATION COUNTS OR THE STATION HISTORY MIGHT PROVIDE CLUES AS TO WHY CERTAIN DATA ARE MISSING. FOR EXAMPLE, ONLY A FEW MISSING OBSERVATIONS MIGHT IMPLY MISSING DATA BECAUSE OF EQUIPMENT MALFUNCTION, BUT MORE THAN SEVERAL MISSING OBSERVATIONS USUALLY MEANS THE STATION IS (OR HAS BEEN) CLOSED.

NOTE 4. IN DAILY AND MONTHLY AMOUNTS SUMMARIES, THE LAST ENTRY ON THE PAGE GIVES THE GREATEST AMOUNT FOR THE PERIOD OF RECORD.

NOTE 5. BEFORE JANUARY 1956, SNOWFALL OCCURRENCES IN THE SUMMARY OF DAY INCLUDED HAIL.

NOTE 6. SNOW DEPTH REPORTING TIMES FOR USAF, NAVY AND CIVIL STATIONS ARE AS FOLLOWS:

AIR FORCE		NAVY AND NATIONAL WEATHER SERVICE	
THROUGH 1945:	0800 LST	THROUGH JUN 1952:	0030 GMT
JAN 1946 TO MAY 1957:	1230 LST	JUN 1952 TO MAY 1957:	1230 GMT
JUN 1957 TO PRESENT:	1200 GMT	JUN 1957 TO PRESENT:	1200 GMT

NOTE 7. 24-HOUR PRECIPITATION (INCLUDING SNOWFALL AND SNOW DEPTH) VALUES DERIVED FROM PART TIME PERIODS MAY NOT REFLECT TRUE 24-HOUR AMOUNTS. RECORDED AMOUNTS FOLLOWING WEEKENDS AND/OR HOLIDAYS FREQUENTLY REPRESENT AMOUNTS MEASURED FOR PERIODS GREATER THAN 24 HOURS. IN ADDITION, 24-HOUR AMOUNTS MAY NOT REPRESENT THE STANDARD CLIMATOLOGICAL 24-HOUR "MIDNIGHT TO MIDNIGHT" AMOUNT. DATA FROM PART TIME PERIODS MAY NOT ACCURATELY REFLECT NIGHTTIME PRECIPITATION EVENTS.

CONVERSIONS:

- 1 INCH = 25.39998 MILLIMETERS
- 1 MILLIMETER = .03937 INCHES

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF PRECIPITATION IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: -01

PERIOD OF RECORD: 4602-4608,5604-5604,5610-9102
MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	34.8	44.9	44.4	47.0	44.5	45.9	51.0	48.9	55.3	52.3	43.7	38.1	45.9
TRACE	20.6	19.3	17.0	15.4	15.3	10.9	14.3	12.1	11.3	14.1	15.9	20.4	15.5
.01	4.4	4.4	4.1	2.5	4.2	4.0	2.9	4.5	3.6	4.1	2.8	3.8	3.8
.02-.05	13.3	9.8	9.6	10.0	9.9	8.5	6.6	8.7	9.0	8.3	11.3	10.3	9.6
.06-.10	10.6	7.3	7.5	6.1	6.4	6.6	6.3	7.4	6.0	6.3	7.8	7.2	7.1
.11-.25	10.2	7.7	10.1	10.0	10.5	12.0	8.1	10.2	7.0	7.5	9.4	10.8	9.5
.26-.50	4.3	5.1	5.6	7.0	6.0	8.0	6.7	5.3	4.9	5.4	6.2	6.4	5.9
.51-1.00	1.4	1.3	1.6	1.8	2.8	3.3	3.5	2.5	2.3	1.1	2.3	2.6	2.2
1.01-2.50	.3	.1	.1	.2	.4	.9	.8	.4	.7	.9	.6	.5	.5
2.51-5.00													
5.01-10.00													
10.01-20.00													
OVER 20.00													
DAYS WITH MEAS AMTS	44.7	35.8	38.6	37.6	40.2	43.2	34.8	39.1	33.4	33.7	40.4	41.5	38.6
TOTAL NO. OF OBSERVATIONS	900	839	912	923	928	910	912	919	871	918	859	874	10765

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106420

STATION NAME: HAKAU AAF DL
LST TO UTC: -01

PERIOD OF RECORD: 4602-4608,5604-5604,5610-9102
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
46		.31*	*	1.24	3.04	4.96	1.35	.33*					11.23*
56				.94*						.76	.91	1.13	3.74*
57	.59	2.32	2.06	.23	.66	.69	1.17	1.20*	1.01*	.30*	.27*	.01*	10.51*
58	1.47*	.19*	.56*	.16*	.96*	2.08*	.76*	1.69*	.98*	.39*	.55*	1.56*	11.35*
59	.87*	TRACE*	.23*	.53*	.26*	.46*	.63*	.16*	TRACE*	.39*	.36*	.08*	3.97*
60	.73*	.07*	.50*	.90*	.18*	.24*	1.08*	.62*	.02*	1.16*	.11*	.43*	6.06*
61	1.77*	.40*	.04*	.50*	.51*	2.85*	.62*	.54*	.13*	.20*	.80*	.35*	8.71*
62	.45*	.21*	.43*	1.18*	1.34*	.12*	.12*	.04	.53*	TRACE*	.51*	1.14*	6.07*
63	.60*	.29*	1.09*	.08*	.22*	1.73*	.77*	.75*	.22*	.20	.42*	.08*	6.45*
64	.19*	.25*	.88	1.14	1.90*	.80*	.30	1.90*	.86*	1.27*	3.80	1.22	14.51*
65	3.62	.86	2.39	4.05	3.12	5.10	4.82	1.60	2.02	.25	4.25	4.48	36.76
66	1.31	1.62	1.45	3.00	1.59	3.22	3.88	2.74	2.15	3.11	3.14	5.54	32.75
67	.78	2.09	1.76	1.98	2.40	1.25	.87	2.68	3.74	3.38	1.99	3.84	26.76
68	2.20	2.76	1.52	2.75	3.24	2.78	2.42	5.32	4.09	2.04	.83	1.13	31.08
69	1.44	1.95	1.44	2.15	2.57	3.60	1.19	4.72	.44	.21	1.94	.87	22.52
70	2.01	2.79	1.88	2.59	2.00	3.52	4.15	1.58	2.46	1.20	1.43	2.23	27.84
71	1.22	.92	.65	2.32	2.26	4.36	.68	1.98	.53	1.03	2.33	.45	18.73
72	1.17	.27	.92	2.00	1.71	3.12	1.62	2.81	1.75	.92	2.15	.55	18.99
73	.49	.77	.35	1.03	2.93	.56	2.87	1.19	1.31	1.94	1.72	1.36	16.52
74	1.22	.80*	1.95	.55	1.12	2.80	2.34	1.39	1.36	2.78	1.79	3.15	21.25*
75	1.56	.89	2.46	2.66	.64	2.74	2.64	3.32	4.19	1.48	1.99	.93	25.50
76	1.94	.55	.67	.43	.86	.54	2.02	.33	1.10	1.01	1.57	1.53*	12.55*
77	1.67*	2.44*	1.20*	1.33*	.97*	2.71*	1.91*	3.68*	.49	2.26*	3.45*	2.26*	24.37*
78	1.07*	1.08*	2.79*	.84*	1.44*	2.16*	2.89*	1.08*	3.28*	.77*	.37*	1.31*	19.08*
79	.98*	1.77*	2.78*	3.19*	1.64*	2.49*	1.78*	2.86*	1.18*	.64*	3.71*	3.76*	26.78*
80	1.31*	.89*	1.21*	1.68*	1.53*	3.09*	3.76*	.76*	1.42*	1.75*	1.17*	2.26*	20.83*
81	2.26*	.47*	3.29*	.93*	2.91*	2.49*	2.63*	1.53*	.62*	1.45*	1.28*	2.71*	22.57*
82	1.84*	.79*	1.81*	1.43*	2.17*	1.32*	3.26*	.76*	1.06*	6.28*	1.21*	2.90*	24.83*
83	2.15*	1.83*	1.79*	4.21*	4.49*	1.48*	.62*	1.29*	3.32*	1.46*	1.81*	1.52*	25.97*
84	2.05*	2.73*	.65*	1.54*	6.56*	2.16*	2.17*	1.93*	2.78*	1.99*	2.16*	1.43*	28.15*
85	1.46*	.52*	1.46*	1.80*	2.22*	4.20*	2.58*	1.78*	1.59*	.42*	1.01*	2.01*	21.05*

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: -01

PERIOD OF RECORD: 4602-4608,5604-5604,5610-9102
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
86	2.34*	.16*	3.64*	2.72*	2.44*	2.38*	2.71*	2.56*	3.29*	2.86*	1.17*	1.92*	28.19*
87	1.37*	1.30*	2.59*	.61*	3.11*	4.69*	5.94*	2.51*	2.67*	3.45*	2.24*	1.69*	32.17*
88	3.24*	3.01*	4.15*	1.40*	1.84*	2.42*	2.84*	1.02*	2.00*	2.37*	1.54*	2.98*	28.81*
89	.58*	.75*	2.30*	3.97*	1.42*	2.16*	3.00*	2.42*	.86*	2.04*	2.61*	3.89*	26.00*
90	1.54*	4.28*	.65*	1.65*	.20*	3.15*	1.26*	1.61*	1.93*	4.03*	3.91*	1.86*	26.07*
91	2.47*	.49*											2.96*
LEAST	.49	.27	.35	.23	.64	.54	.30	.04	.44	.20	.83	.45	16.52
GREATEST	3.82	4.28	4.15	4.21	6.56	5.10	5.94	5.32	4.19	6.28	4.25	5.54	36.76
MEAN	1.52	1.48	1.45	1.87	2.01	2.80	2.15	2.28	1.97	1.45	2.13	2.07	25.74
MEDIAN	1.31	1.27	1.49	2.00	2.13	2.96	2.02	1.98	1.75	1.12	1.97	1.22	26.13
SD	.866	.882	.672	1.082	.931	1.539	1.337	1.548	1.324	1.059	.988	1.654	6.622
TOTAL OBS	900	839	912	923	928	910	912	919	871	918	859	874	10765

THE GREATEST VALUE OF 6.56 OCCURRED ON 05/84

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

B - 2 - 2B

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: -01

PERIOD OF RECORD: 4602-4608,5604-5604,5610-9102
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
46		.10*	*	.32	.66	1.08	.28	.10*					1.08*
56				.36*						.24	.40	.25	.40*
57	.24	.63	.97	.23	.14	.23	.34	.30*	.25*	.30*	.10*	.01*	.97*
58	1.20*	.10*	.23*	.07*	.41*	.84*	.37*	.75*	.63*	.10*	.33*	.52*	1.20*
59	.40*	TRACE*	.16*	.25*	.26*	.20*	.29*	.08*	TRACE*	.32*	.16*	.04*	.40*
60	.45*	.06*	.20*	.50*	.12*	.23*	.50*	.25*	.01*	.38*	.08*	.40*	.50*
61	1.21*	.18*	.03*	.20*	.20*	1.23*	.11*	.18*	.05*	.10*	.56*	.13*	1.23*
62	.30*	.10*	.21*	.33*	.80*	.06*	.06*	.04	.37*	TRACE*	.29*	.55*	.80*
63	.26*	.19*	.30*	.04*	.18*	1.20*	.77*	.18*	.05*	.12	.17*	.07*	1.20*
64	.07*	.20*	.49	.34	1.21*	.20*	.11	.43*	.31*	.53*	1.81	.36	1.81*
65	.95	.31	.49	.75	.45	2.22	1.40	.49	.48	.11	.75	.50	2.22
66	.19	.31	.41	.49	.38	.61	.58	.86	.78	1.54	.39	1.61	1.61
67	.17	.41	.44	.44	.73	.51	.42	.75	1.74	.74	.55	1.70	1.74
68	.42	.42	.28	.80	.57	.82	.79	1.08	1.42	.47	.26	.21	1.42
69	.24	.35	.41	.61	.81	.67	.40	.70	.15	.11	.32	.24	.81
70	.55	.44	.67	.53	.67	1.05	.86	.38	.71	.23	.34	.66	1.05
71	.19	.30	.26	1.18	.79	.55	.30	.49	.12	.47	.52	.14	1.18
72	.43	.24	.26	.35	.58	.96	1.16	.88	.59	.48	.61	.39	1.16
73	.20	.18	.28	.28	.54	.12	.74	.41	.87	.39	.46	.29	.87
74	.32	.32*	.49	.23	.33	.62	.35	.30	.20	.40	.32	.53	.62*
75	.31	.77	.72	.81	.21	.89	.75	1.25	1.88	.41	.82	.60	1.88
76	.37	.40	.23	.29	.24	.29	.54	.10	.34	.16	.30	.25*	.54*
77	.52*	.54*	.60*	.50*	.34*	.65*	.91*	1.08*	.22	.78*	.63*	.56*	1.08*
78	.35*	.38*	.62*	.53*	.57*	.51*	1.02*	.28*	1.50*	.28*	.22*	.35*	1.50*
79	.13*	.68*	.52*	.54*	.44*	.59*	.55*	.73*	.49*	.14*	.72*	1.04*	1.04*
80	.36*	.48*	.29*	.64*	.48*	.56*	.87*	.40*	.50*	.28*	.76*	.62*	.87*
81	.58*	.15*	.66*	.30*	1.03*	.54*	.84*	.76*	.15*	.83*	.47*	.63*	1.03*
82	.44*	.35*	.37*	.80*	.66*	.30*	1.02*	.20*	.52*	2.30*	.50*	.62*	2.30*
83	.47*	.53*	.47*	.85*	.68*	.78*	.32*	.47*	.67*	.44*	1.49*	.65*	1.49*
84	.41*	.68*	.19*	.68*	1.51*	.50*	.91*	.91*	.69*	.53*	1.61*	.39*	1.61*
85	.35*	.35*	.39*	.55*	.68*	1.15*	.98*	.38*	.76*	.19*	.25*	.57*	1.15*

B - 2 - 3A

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: -01

PERIOD OF RECORD: 4602-4608,5604-5604,5610-9102
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
86	.59*	.14*	1.07*	.59*	.67*	.74*	.90*	1.36*	1.01*	1.54*	.29*	.45*	1.54*
87	.89*	.25*	.85*	.35*	.60*	1.12*	2.14*	.69*	1.48*	1.01*	.61*	.80*	2.14*
88	1.02*	.68*	.70*	.65*	.91*	1.02*	.66*	.56*	.72*	.64*	.85*	.70*	1.02*
89	.21*	.21*	.63*	1.94*	.45*	.48*	1.06*	.71*	.32*	.52*	.88*	1.35*	1.94*
90	.55*	1.12*	.27*	.31*	.17*	.55*	.63*	.44*	.61*	1.87*	1.31*	.40*	1.87*
91	1.00*	.12*											1.00*

GREATEST	1.21	1.12	1.07	1.94	1.51	2.22	2.14	1.36	1.88	2.30	1.81	1.70	2.30
TOTAL OBS	900	839	912	923	928	910	912	919	871	918	859	874	10765

THE GREATEST VALUE OF 2.30 OCCURRED ON 10/07/82

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

B - 2 - 3B

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOWFALL IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106420

STATION NAME: HANAU AAF DT
LST TO UTC: -01

PERIOD OF RECORD: 4602-4608,5604-5604,5610-9102
MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	70.1	73.5	86.4	93.7	99.9	100.0	99.9	100.0	100.0	99.5	87.6	77.7	90.9
TRACE	15.9	16.2	9.9	5.3	.1		.1			.4	7.6	12.6	5.6
0.1-0.4	5.2	3.1	1.4	.4						.1	2.4	3.7	1.3
0.5-1.4	7.1	4.6	1.5	.4							.8	3.3	1.5
1.5-2.4	.8	1.3	.3								.8	1.0	.3
2.5-3.4	.1	.6	.4								.5	1.0	.2
3.5-4.4	.4	.2		.1								.3	.1
4.5-6.4	.3	.4									.2	.3	.1
6.5-10.4													
10.5-15.4													
15.5-25.4													
25.5-50.4													
OVER 50.4													
DAYS WITH MEAS AMTS	14.0	10.3	3.7	1.0						.1	4.8	9.7	3.5
TOTAL NO. OF OBSERVATIONS	899	839	911	925	929	916	916	925	871	921	858	874	10784

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OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: -01

PERIOD OF RECORD: 4602-4608,5604-5604,5610-9102
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
46		1.2*	*	.0	.0	.0	.0	.0*					1.2*
56				3.6*						.0	.1	3.8	7.5*
57	4.6	.2	.0	TRACE	.0	.0	.0	.0*	.0*	.0*	TRACE*	TRACE*	4.8*
58	2.2*	1.0*	2.4*	TRACE*	.0*	.0*	.0*	.0*	.0*	TRACE*	.0*	1.0*	6.6*
59	1.5*	TRACE*	.0*	TRACE*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	1.5*
60	2.8*	TRACE*	TRACE*	TRACE*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	1.0*	3.8*
61	1.2*	TRACE*	TRACE*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	TRACE*	1.2*
62	TRACE*	1.2*	1.4*	TRACE*	.0*	.0*	.0*	.0	.0*	.0*	.6*	4.1*	7.3*
63	5.9*	2.5*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0	.0*	.7*	9.1*
64	1.0*	TRACE*	TRACE*	.0	.0*	.0*	.0	.0*	.0*	.0*	.0	8.8	9.8*
65	3.4	5.9	5.3	TRACE	.0	.0	.0	.0	.0	.0	5.6	.9	21.1
66	2.6	.0	3.4	TRACE	.0	.0	.0	.0	.0	.0	4.9	4.2	15.1
67	2.9	1.0	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.2	9.4	13.5
68	7.8	8.2	.6	TRACE	.0	.0	.0	.0	.0	.0	TRACE	5.9	22.5
69	2.3	17.8	TRACE	TRACE	.0	.0	.0	.0	.0	.0	1.8	8.8	30.7
70	7.5	4.2	5.5	1.2	.0	.0	.0	.0	.0	TRACE	TRACE	8.1	26.5
71	1.8	.4	.5	.0	.0	.0	.0	.0	.0	.0	7.5	1.3	11.5
72	7.7	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	3.8	.1	11.6
73	3.4	8.1	4.2	1.0	.0	.0	TRACE	.0	.0	.0	5.4	1.1	23.2
74	TRACE	TRACE*	TRACE	.0	.0	.0	.0	.0	.0	.4	TRACE	.8	1.2*
75	1.0	TRACE	2.6	TRACE	.0	.0	.0	.0	.0	.0	4.9	TRACE	8.5
76	5.9	3.3	.0	.0	.0	.0	.0	.0	.0	.0	1.2	2.8*	13.2*
77	2.3*	TRACE*	TRACE*	TRACE*	.0*	.0*	.0*	.0*	.0	.0*	TRACE*	5.5*	7.8*
78	1.0*	4.9*	3.3*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.1*	TRACE*	9.3*
79	5.7*	1.3*	.0*	.0*	TRACE*	.0*	.0*	.0*	.0*	.0*	TRACE*	TRACE*	7.0*
80	1.8*	TRACE*	TRACE*	TRACE*	.0*	.0*	.0*	.0*	.0*	.0*	TRACE*	8.5*	10.3*
81	8.4*	1.4*	TRACE*	TRACE*	.0*	.0*	.0*	.0*	.0*	.0*	TRACE*	13.3*	23.1*
82	8.0*	.2*	TRACE*	TRACE*	.0*	.0*	.0*	.0*	.0*	.0*	TRACE*	TRACE*	8.2*
83	TRACE*	7.7*	TRACE*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	TRACE*	1.1*	8.8*
84	4.7*	3.6*	TRACE*	2.2*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	10.5*
85	8.2*	5.0*	.4*	TRACE*	.0*	.0*	.0*	.0*	.0*	.0*	5.0*	TRACE*	18.6*

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OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: -01

PERIOD OF RECORD: 4602-4608,5604-5604,5610-9102
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
86	3.7*	2.1*	TRACE*	TRACE*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	TRACE*	5.8*
87	2.9*	3.5*	2.4*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	TRACE*	TRACE*	8.8*
88	TRACE*	1.5*	1.4*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	2.3*	TRACE*	5.2*
89	.0*	TRACE*	.0*	TRACE*	.0*	.0*	.0*	.0*	.0*	.0*	TRACE*	.7*	.7*
90	TRACE*	6.0*	TRACE*	TRACE*	.0*	.0*	.0*	.0*	.0*	.0*	2.6*	8.2*	16.8*
91	.0*	5.1*											5.1*
LEAST	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	8.5
GREATEST	8.4	17.8	5.5	3.6	TRACE	.0	TRACE	.0	.0	.4	7.5	13.3	30.7
MEAN	3.9	4.1	1.7	.1	.0	.0	TRACE	.0	.0	TRACE	2.5	4.1	18.4
MEDIAN	3.4	2.2	.5	TRACE	.0	.0	.0	.0	.0	.0	1.5	3.8	18.1
SD	2.596	5.337	2.186	.389	.000	.000	.000	.000	.000	.107	2.695	3.679	7.385
TOTAL OBS	899	839	911	925	929	916	916	925	871	921	858	874	10784

THE GREATEST VALUE OF 17.8 OCCURRED ON 02/69

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: -01

PERIOD OF RECORD: 4602-4608,5604-5604,5610-9102
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
46		1.0*	*	.0	.0	.0	.0	.0*					1.0*
56				3.6*						.0	.1	2.0	3.6*
57	2.4	.2	.0	TRACE	.0	.0	.0	.0*	.0*	.0*	TRACE*	TRACE*	2.4*
58	1.0*	1.0*	1.5*	TRACE*	.0*	.0*	.0*	.0*	.0*	TRACE*	.0*	1.0*	1.5*
59	.8*	TRACE*	.0*	TRACE*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.8*
60	1.3*	TRACE*	TRACE*	TRACE*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.4*	1.3*
61	1.0*	TRACE*	TRACE*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	TRACE*	1.0*
62	TRACE*	1.0*	.6*	TRACE*	.0*	.0*	.0*	.0	.0*	.0*	.4*	2.6*	2.6*
63	2.6*	2.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0	.0*	.7*	2.6*
64	.7*	TRACE*	TRACE*	.0	.0*	.0*	.0	.0*	.0*	.0*	.0	5.3	5.3*
65	2.0	3.0	3.3	TRACE	.0	.0	.0	.0	.0	.0	1.6	.6	3.3
66	.9	.0	1.9	TRACE	.0	.0	.0	.0	.0	.0	2.6	2.9	2.9
67	1.0	.8	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.2	5.7	5.7
68	1.3	3.9	.6	TRACE	.0	.0	.0	.0	.0	.0	TRACE	2.8	3.9
69	1.5	4.7	TRACE	TRACE	.0	.0	.0	.0	.0	.0	1.2	3.2	4.7
70	4.4	2.0	3.3	1.0	.0	.0	.0	.0	.0	TRACE	TRACE	3.5	4.4
71	1.1	.4	.5	.0	.0	.0	.0	.0	.0	.0	4.7	.8	4.7
72	4.3	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	2.2	.1	4.3
73	1.0	3.0	3.0	.8	.0	.0	TRACE	.0	.0	.0	2.9	.9	3.0
74	TRACE	TRACE*	TRACE	.0	.0	.0	.0	.0	.0	.4	TRACE	.7	.7*
75	1.0	TRACE	2.5	TRACE	.0	.0	.0	.0	.0	.0	4.9	TRACE	4.9
76	4.5	3.3	.0	.0	.0	.0	.0	.0	.0	.0	1.2	1.0*	4.5*
77	1.4*	TRACE*	TRACE*	TRACE*	.0*	.0*	.0*	.0*	.0	.0*	TRACE*	5.5*	5.5*
78	.5*	2.0*	2.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.1*	TRACE*	2.0*
79	1.2*	1.0*	.0*	.0*	TRACE*	.0*	.0*	.0*	.0*	.0*	TRACE*	TRACE*	1.2*
80	1.1*	TRACE*	TRACE*	TRACE*	.0*	.0*	.0*	.0*	.0*	.0*	TRACE*	4.0*	4.0*
81	5.0*	1.0*	TRACE*	TRACE*	.0*	.0*	.0*	.0*	.0*	.0*	TRACE*	4.0*	5.0*
82	6.0*	.2*	TRACE*	TRACE*	.0*	.0*	.0*	.0*	.0*	.0*	TRACE*	TRACE*	6.0*
83	TRACE*	4.7*	TRACE*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	TRACE*	.8*	4.7*
84	3.9*	1.7*	TRACE*	1.2*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	3.9*
85	3.7*	4.0*	.4*	TRACE*	.0*	.0*	.0*	.0*	.0*	.0*	3.0*	TRACE*	4.0*

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: -01

PERIOD OF RECORD: 4602-4608,5604-5604,5610-9102
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
86	1.2*	1.5*	TRACE*	TRACE*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	TRACE*	1.5*
87	1.1*	2.2*	1.4*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	TRACE*	TRACE*	2.2*
88	TRACE*	.8*	1.4*	.0*	.0*	.0*	.0*	.0*	.0*	.0*	2.3*	TRACE*	2.3*
89	.0*	TRACE*	.0*	TRACE*	.0*	.0*	.0*	.0*	.0*	.0*	TRACE*	.7*	.7*
90	TRACE*	6.0*	TRACE*	TRACE*	.0*	.0*	.0*	.0*	.0*	.0*	2.6*	2.5*	6.0*
91	.0*	1.2*											1.2*
.....													
GREATEST	6.0	6.0	3.3	3.6	TRACE	.0	TRACE	.0	.0	.4	4.9	5.7	6.0
.....													
TOTAL OBS	899	839	911	925	929	916	916	925	871	921	858	874	10784

THE GREATEST VALUE OF 6.0 OCCURRED ON 01/11/82

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOW DEPTH IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: -01

PERIOD OF RECORD: 4602-4608,5604-5604,5610-9102
MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	64.7	75.4	92.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	95.6	80.4	92.5
TRACE	10.8	10.7	5.4	.2							1.9	8.3	3.0
1	7.1	4.4	.5								.9	3.1	1.3
2	5.1	2.1	.8								1.1	2.6	1.0
3	3.1	1.9	.2								.4	3.4	.7
4-6	8.0	2.6	.9								.2	2.2	1.1
7-12	1.0	2.9											.3
13-24													
25-36													
37-48													
49-60													
61-120													
OVER 120													
DAYS WITH MEAS AMTS	24.4	13.9	2.4								2.6	11.3	4.4
TOTAL NO. OF OBSERVATIONS	896	842	920	930	932	916	915	924	875	927	856	879	10812

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOW DEPTH AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: -01

PERIOD OF RECORD: 4602-4608,5604-5604,5610-9102
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
46		1*	*	0	0	0	0	0*					1*
56				0*						0	0	2	2*
57	2	0	0	0	0	0	0	0*	0*	0*	0*	TRACE*	2*
58	2*	1*	2*	0*	0*	0*	0*	0*	0*	0*	0*	1*	2*
59	2*	TRACE*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	2*
60	6*	TRACE*	0*	0*	0*	0*	0*	0*	0*	0*	0*	3*	6*
61	4*	TRACE*	0*	0*	0*	0*	0*	0*	0*	0*	0*	TRACE*	4*
62	TRACE*	2*	1*	0*	0*	0*	0*	0*	0*	0*	4*	5*	5*
63	7*	9*	6*	0	0*	0*	0*	0*	0*	0	0*	1*	9*
64	2*	1*	0	0	0*	0*	0	0*	0*	0*	0	5	5*
65	2	1	4	0	0	0	0	0	0	0	2	TRACE	4
66	1	0	TRACE	0	0	0	0	0	0	0	1	TRACE	1
67	1	0	0	0	0	0	0	0	0	0	0	3	3
68	5	4	0	0	0	0	0	0	0	0	TRACE	5	5
69	5	12	TRACE	TRACE	0	0	0	0	0	0	1	6	12
70	6	2	2	0	0	0	0	0	0	0	0	6	6
71	7*	0	0	0	0	0	0	0	0	0	2*	1	7*
72	2*	0	0	0	0	0	0	0	0	0	1	0	2*
73	TRACE	TRACE	TRACE	0	0	0	0	0	0	0	2	4	4
74	0	0*	0	0	0	0	0	0	0	0	0	0	0*
75	1	0	2	0	0	0	0	0	0	0	0	0	2
76	3	2	0	0	0	0	0	0	0	0	TRACE	2*	3*
77	2*	0*	0*	0*	0*	0*	0*	0*	0	0*	0*	2*	2*
78	1*	1*	TRACE*	0*	0*	0*	0*	0*	0*	0*	0*	TRACE*	1*
79	4*	1*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	4*
80	1*	TRACE*	0*	0*	0*	0*	0*	0*	0*	0*	0*	5*	5*
81	6*	TRACE*	0*	0*	0*	0*	0*	0*	0*	0*	0*	4*	6*
82	8*	TRACE*	0*	0*	0*	0*	0*	0*	0*	0*	0*	TRACE*	8*
83	0*	3*	0*	0*	0*	0*	0*	0*	0*	0*	0*	1*	3*
84	1*	1*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	1*
85	5*	4*	TRACE*	0*	0*	0*	0*	0*	0*	0*	4*	1*	5*

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOW DEPTH AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: -01

PERIOD OF RECORD: 4602-4608,5604-5604,5610-9102
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
86	1*	2*	TRACE*	0*	0*	0*	0*	0*	0*	0*	0*	TRACE*	2*
87	4*	1*	1*	0*	0*	0*	0*	0*	0*	0*	0*	0*	4*
88	0*	1*	TRACE*	0*	0*	0*	0*	0*	0*	0*	2*	0*	2*
89	0*	TRACE*	0*	TRACE*	0*	0*	0*	0*	0*	0*	0*	TRACE*	TRACE*
90	0*	2*	TRACE*	0*	0*	0*	0*	0*	0*	0*	0*	3*	3*
91	0*	5*											5*

GREATEST	8*	12*	6*	TRACE*	0*	0*	0*	0*	0*	0*	4*	6*	12*
TOTAL OBS	896	842	920	930	932	916	915	924	875	927	856	879	10812

THE GREATEST VALUE OF 12 OCCURRED ON 02/17/69

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

FIRST AND LAST DAYS OF OCCURRENCE BY SNOW-YEAR
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL

PERIOD OF RECORD: 4602-4608,5604-5604,5610-9102
SNOW-YEAR: 1 AUG - 31 JUL

SNOW-YEAR	FIRST SNOWFALL	FIRST MEASURABLE SNOWFALL	FIRST MEASURABLE SNOW DEPTH	LAST SNOWFALL	LAST MEASURABLE SNOWFALL	LAST MEASURABLE SNOW DEPTH
45 - 46	FEB 13	FEB 22	FEB 22	FEB 26	FEB 23	FEB 22
55 - 56	APR 17	APR 17		APR 17	APR 17	
56 - 57	NOV 25	NOV 29	DEC 23	APR 11	FEB 17	JAN 03
57 - 58	NOV 23	JAN 20	JAN 20	APR 17	MAR 14	MAR 14
58 - 59	OCT 16	DEC 09	DEC 09	APR 07	JAN 17	JAN 19
59 - 60	JAN 11	JAN 11	JAN 11	APR 25	JAN 18	JAN 22
60 - 61	DEC 14	DEC 14	DEC 14	MAR 22	JAN 26	JAN 28
61 - 62	DEC 07	FEB 01	FEB 02	APR 30	MAR 15	MAR 06
62 - 63	NOV 15	NOV 20	NOV 23	FEB 21	FEB 21	MAR 08
63 - 64	DEC 10	DEC 17	DEC 17	MAR 07	JAN 25	FEB 08
64 - 65	DEC 02	DEC 03	DEC 03	APR 19	MAR 06	MAR 06
65 - 66	NOV 12	NOV 13	NOV 14	APR 14	MAR 29	JAN 22
66 - 67	NOV 04	NOV 04	NOV 05	APR 24	FEB 23	JAN 11
67 - 68	NOV 27	NOV 28	DEC 19	APR 03	MAR 11	FEB 28
68 - 69	NOV 15	DEC 28	DEC 29	APR 19	FEB 25	FEB 26
69 - 70	NOV 24	NOV 24	NOV 26	APR 29	APR 10	MAR 08
70 - 71	OCT 23	DEC 22	DEC 22	MAR 25	MAR 12	JAN 19
71 - 72	NOV 11	NOV 21	NOV 21	MAR 28	JAN 31	JAN 27
72 - 73	OCT 20	NOV 16	NOV 17	JUL 22	APR 13	NOV 17
73 - 74	NOV 27	NOV 27	NOV 29	MAR 02	DEC 18	DEC 18
74 - 75	OCT 30	OCT 31	JAN 28	APR 09	MAR 27	MAR 20
75 - 76	NOV 12	NOV 12	JAN 26	FEB 14	FEB 13	FEB 05
76 - 77	NOV 22	NOV 22	DEC 14	APR 14	JAN 20	JAN 14
77 - 78	NOV 14	DEC 06	DEC 07	MAR 23	MAR 23	FEB 13
78 - 79	NOV 27	NOV 28	JAN 02	MAY 02	FEB 09	FEB 01
79 - 80	NOV 26	JAN 02	JAN 04	APR 22	JAN 04	JAN 04
80 - 81	NOV 04	DEC 03	DEC 03	APR 23	FEB 20	JAN 22
81 - 82	NOV 09	DEC 10	DEC 10	APR 13	FEB 23	JAN 29
82 - 83	NOV 17	FEB 07	FEB 07	MAR 29	FEB 10	FEB 18
83 - 84	NOV 15	DEC 06	DEC 06	APR 04	APR 04	FEB 22
84 - 85	JAN 02	JAN 02	JAN 02	APR 29	MAR 19	FEB 22
85 - 86	NOV 12	NOV 21	NOV 21	APR 15	FEB 11	FEB 18

B - 5 - 1A

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

FIRST AND LAST DAYS OF OCCURRENCE BY SNOW-YEAR
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL

PERIOD OF RECORD: 4602-4608,5604-5604,5610-9102
SNOW-YEAR: 1 AUG - 31 JUL

SNOW-YEAR	FIRST SNOWFALL	FIRST MEASURABLE SNOWFALL	FIRST MEASURABLE SNOW DEPTH	LAST SNOWFALL	LAST MEASURABLE SNOWFALL	LAST MEASURABLE SNOW DEPTH
86 - 87	DEC 16	JAN 05	JAN 09	MAR 20	MAR 17	MAR 17
87 - 88	NOV 25	FEB 26	FEB 26	MAR 14	MAR 14	FEB 29
88 - 89	NOV 02	NOV 23	NOV 23	APR 04	NOV 23	NOV 23
89 - 90	NOV 27	DEC 12	FEB 15	APR 04	FEB 15	FEB 15
90 - 91	NOV 23	NOV 30	DEC 11	FEB 28	FEB 15	FEB 22

MEDIAN-DATE	NOV 23	DEC 06	DEC 15	APR 09	FEB 23	FEB 10
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PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTT	CCCCC
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	CCCCCCCC
PP PP	AA AA	RR RR	TT	CC CC
PP PP	AA AA	RR RR	TT	CC
PPPPPPPP	AA AA	RRRRRRRR	TT	CC
PPPPPPPP	AAAAAAAAA	RRRRRRRR	TT	CC
PP	AAAAAAAAA	RR RR	TT	CC
PP	AA AA	RR RR	TT	CC CC
PP	AA AA	RR RR	TT	CCCCCCCC
PP	AA AA	RR RR	TT	CCCCC

C - 1 - 1

PART C

SURFACE WIND SUMMARIES

PEAK WINDS.

THESE TABLES ARE CREATED FROM SUMMARY OF DAY DATA. SPEEDS ARE IN KNOTS. DIRECTIONS ARE TO 16 COMPASS POINTS FROM THE BEGINNING OF PERIOD OF RECORD THROUGH JUNE 1968, BUT IN JULY 1968, ALL STATIONS EXCEPT THOSE OF THE NATIONAL WEATHER SERVICE STARTED RECORDING DIRECTIONS IN TENS OF DEGREES. DATA IS SUMMARIZED BY MONTH FOR EACH YEAR FOR THE ENTIRE PERIOD OF RECORD AVAILABLE. GIVEN: THE GREATEST MONTHLY VALUE FOR ALL YEARS COMBINED, THE GREATEST YEARLY VALUE FOR ALL YEARS COMBINED, AND THE DATE OF THE ABSOLUTE PEAK WIND RECORDED FOR THE ENTIRE PERIOD OF RECORD. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

PEAK WINDS--PERCENT OCCURRENCE FREQUENCY.

ALSO FROM SUMMARY OF DAY DATA. DATA IS SUMMARIZED BY MONTH, FOR ALL YEARS COMBINED, FOR ELEVEN WIND SPEED GROUPS. THE 1-4 KNOT SPEED GROUP INCLUDES CALM WINDS. IF THE PEAK WIND IS REPORTED FOR A PARTICULAR DAY AS "CALM," THAT COUNT GOES INTO THE "1-4 KNOT" CATEGORY. TABLES INCLUDE MEANS, MEDIANS, AND TOTAL OBSERVATION COUNTS. THE VALUES IN THIS SUMMARY ACCOUNT FOR A PEAK WIND BEING RECORDED FOR EACH DAY OF EACH MONTH.

WIND DIRECTION VS WIND SPEED--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES ARE CREATED FROM HOURLY OBSERVATIONS. THEY SUMMARIZE THE DATA AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

THESE TABLES GIVE A BIVARIATE DISTRIBUTION OF THE PERCENT OCCURRENCE FREQUENCY (POF) FOR ELEVEN WIND SPEED GROUPS VERSUS TWELVE WIND DIRECTION SECTIONS GIVEN IN 30 DEGREE INCREMENTS. "CALM" AND "VARIABLE" WINDS ARE GIVEN SEPARATELY. CARDINAL WIND DIRECTIONS (N,E,S,W) APPEAR FOR REFERENCE. TOTAL PERCENTAGES, MEANS, AND MEDIANS FOR EACH SECTOR, ALONG WITH TOTAL OBSERVATION COUNTS, ARE PRINTED BELOW EACH SUMMARY.

ALSO PROVIDED: A BIVARIATE DISTRIBUTION OF WIND DIRECTION VERSUS WIND SPEED FOR SPECIFIED CEILING/VISIBILITY CONDITIONS. THESE CONDITIONS ARE:

WHEN THE VISIBILITY IS GREATER THAN OR EQUAL TO 1/2 MILES (0800 METERS)
THE CEILING MUST BE GREATER THAN OR EQUAL TO 200 FEET BUT LESS THAN 1500 FEET.
IF THIS CONDITION IS NOT MET, THEN THE FOLLOWING CONDITION IS TESTED:
WHEN THE CEILING IS GREATER THAN OR EQUAL TO 200 FEET, THE VISIBILITY MUST
BE GREATER THAN OR EQUAL TO 1/2 (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS).

CONVERSION: 1 KNOT = .514791 METERS PER SECOND

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PEAK SURFACE WINDS IN KNOTS
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: -01

PERIOD OF RECORD: 4606-4606,6604-91^2
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
46						SW *43							SW *43
66				SSW*22	W 41	WSW 36	WSW 29	WSW 23	SSW*27	SSW 20	8 31	SSW 34	W *41
67	SSW 28	W 42	WSW 38	WNW 33	SW 38	NNE 20	W *19	*	*	*	SW *18	W *18	W *42
68	SW *16	SSW 24	W 50	WNW*30	NNE*21	ESE 25	25/ 36	31/ 23	12/*16	*	05/*25	*	W *50
69	*	22/*40	*	*	*	*	*	07/*28	20/ 21	28/ 22	23/ 39	07/ 20	22/*40
70	21/ 25	27/ 44	19/ 30	27/ 42	28/*27	05/ 26	28/*42	33/ 31	24/ 30	31/ 32	26/ 34	29/ 31	27/*44
71	23/ 33	01/ 28	33/ 25	26/ 27	30/ 26	28/ 34	24/ 30	30/ 31	05/ 22	23/ 30	21/ 36	29/ 27	21/ 36
72	04/ 28	15/ 18	27/ 43	23/ 38	24/ 36	26/ 25	05/ 27	32/ 22	25/ 19	06/ 18	25/ 42	21/ 24	27/ 43
73	22/ 19	27/ 31	30/ 26	21/ 49	27/ 37	22/ 27	24/ 24	30/ 29	23/ 24	25/ 32	29/ 38	34/ 40	21/ 49
74	24/ 46	21/*35	24/ 39	36/ 36	28/ 36	26/ 34	26/ 38	29/ 25	20/ 27	30/ 27	31/ 38	22/ 38	24/*46
75	21/ 29	30/ 20	19/ 35	22/ 29	03/ 34	28/ 34	25/ 32	36/ 26	23/ 26	06/ 30	23/ 29	22/ 22	19/ 35
76	27/ 40	20/ 21	30/ 22	03/ 26	21/ 30	24/ 26	27/ 27	02/ 25	21/ 25	24/ 21	24/*35	25/*36	27/*40
77	22/*26	23/*28	26/*32	22/*37	22/*24	24/*26	22/*19	21/*20	22/*23	27/*24	30/*33	28/*28	22/*37
78	22/*37	21/*26	20/*36	24/*27	36/*23	23/*22	25/*23	27/*23	27/*35	22/*18	33/*17	22/*32	22/*37
79	21/*26	34/*22	21/*32	20/*27	25/*37	14/*30	23/*19	25/*27	32/*22	06/*18	24/*30	23/*46	23/*46
80	21/*35	29/*30	25/*28	23/*36	03/*22	*	*	*	30/*20	22/*37	24/*50	23/*19	24/*50
81	24/*24	23/*37	24/*45	06/*20	18/*26	33/*24	21/*24	19/*22	23/*19	23/*25	31/*30	24/*39	24/*45
82	22/*31	27/*19	21/*35	24/*31	26/*35	24/*28	24/*18	24/*23	22/*22	22/*32	24/*22	24/*47	24/*47
83	27/*34	*	*	20/*20	21/*28	21/*20	29/*27	24/*25	21/*27	24/*23	24/*40	21/*18	24/*40
84	21/*33	22/*34	25/*36	13/*24	23/*35	22/*32	33/ 34	24/*27	28/*34	21/*44	12/*15	29/*25	21/*44
85	30/ 29	22/*23	34/*25	27/ 32	27/*36	24/*30	28/*30	22/*30	26/ 21	23/*27	20/*33	18/*30	27/*36
86	24/*32	02/*18	23/*33	20/*26	25/*20	22/*25	24/*28	23/*27	23/*25	29/*37	22/*24	23/*47	23/*47
87	03/*22	03/*23	22/*42	28/*24	29/*27	21/*35	30/*28	21/*24	23/*22	21/*37	20/*33	21/*20	22/*42
88	20/*32	22/*39	25/*34	08/*24	26/*32	31/*22	25/*28	26/*23	26/*34	23/*32	22/*27	23/*36	22/*39
89	29/*26	22/*26	23/*30	36/*22	24/*29	24/*29	32/*30	31/*29	29/*26	28/*25	23/*22	22/*32	22/*32
90	23/*50	22/*64	26/*68	31/*30	26/*30	23/*32	24/*27	31/*29	22/*30	25/*22	23/*31	23/*29	26/*68
91	22/*32	21/*22											22/*32

PEAK SURFACE WINDS IN KNOTS
FROM SUMMARY OF DAY DATA

PERIOD OF RECORD: 4506-4506,6604-9102
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
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GREATEST	23/ 50	22/ 64	26/ 68	21/ 49	W 41	SW 43	28/ 42	33/ 31	27/ 35	21/ 44	24/ 50	24/ 47	26/ 68
TOTAL OBS	551	522	574	566	572	589	562	582	560	569	553	531	6731

THE PEAK WIND OF 68 FROM 26/ OCCURRED ON 03/01/90

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF DATA AVAILABLE FOR THE MONTH
\$THE VALUE IS 100 OR GREATER WITH LESS THAN 90% OF DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAILY PEAK WINDS
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: -01

PERIOD OF RECORD: 4606-4606,6604-9102
MONTH: ALL HOURS: ALL

MONTH	WIND SPEEDS IN KNOTS											MEAN WIND	MEDIAN WIND	TOTAL OBS
	CALM-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
JAN	4.5	24.7	27.4	19.4	12.3	6.9	2.9	.7	.9	.2	.0	14.6	13.0	551
FEB	3.3	26.2	28.0	20.7	11.7	5.0	1.5	1.7	1.5	.4	.0	14.8	13.0	522
MAR	.5	13.9	25.1	24.0	19.5	8.9	4.7	2.1	.9	.2	.2	17.5	17.0	574
APR	.2	8.8	28.6	31.1	20.1	7.4	2.7	.7	.4	.0	.0	17.0	16.0	566
MAY	.0	10.8	33.0	30.6	17.1	5.1	1.7	1.4	.2	.0	.0	16.0	15.0	572
JUN	.0	10.4	39.7	28.5	13.4	5.8	1.7	.3	.2	.0	.0	15.5	14.0	589
JUL	.7	14.6	39.9	28.5	10.7	4.1	.9	.5	.2	.0	.0	14.7	14.0	562
AUG	.5	15.5	43.3	26.8	9.8	3.6	.5	.0	.0	.0	.0	14.1	13.0	582
SEP	2.5	24.6	35.4	22.7	10.7	2.7	1.3	.2	.0	.0	.0	13.3	13.0	560
OCT	5.1	29.5	30.6	18.3	10.2	3.5	2.1	.5	.2	.0	.0	13.0	12.0	569
NOV	4.9	25.3	26.9	19.0	13.0	5.4	3.6	1.3	.4	.2	.0	14.5	13.0	553
DEC	4.9	27.1	26.4	17.9	12.1	4.5	4.3	1.9	.9	.0	.0	14.7	13.0	531
ANNUAL	2.2	19.1	32.1	24.1	13.4	5.2	2.3	.9	.5	.1	.0	15.0	14.0	6731

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JAN HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.4	1.2										2.6	4.8	4.0
020-040	1.2	1.6	.4									3.1	5.8	6.0
050-070	3.7	1.0										4.7	3.0	3.0
(E) 080-100	1.8	.6										2.4	4.2	4.0
110-130	1.2	2.6										3.7	5.1	6.0
140-160	4.7	4.3	.4									9.4	4.9	4.5
(S) 170-190	5.7	4.9	1.6									12.2	5.2	5.0
200-220	3.5	10.6	5.1	.2								19.4	7.5	7.0
230-250	2.0	2.8	1.6	.2								6.5	7.0	8.0
(W) 260-280	.8	1.2	.2	.2								2.4	6.3	5.5
290-310	.4	1.0										1.4	5.6	6.0
320-340	1.2	.4	.4	.2								2.2	6.1	3.0
VARIABLE		.8	.4	.6	.2							2.0	11.9	10.0
CALM	////////////////////////////////////											28.1	////////	
TOTALS	27.6	33.0	10.1	1.4	.2							100.0	4.3	6.0

TOTAL NUMBER OF OBSERVATIONS 509

C - 4 - 1

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JAN HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(W) 350-010	.8	1.4										2.2	5.2	5.0
020-040	1.1	1.6	.5									3.1	6.1	6.5
050-070	3.1	1.2	.2									4.5	4.0	4.0
(E) 080-100	2.2	2.6										4.8	4.6	5.0
110-130	1.7	.8	.2									2.6	4.1	4.0
140-160	5.3	3.4	.6									9.3	4.8	4.0
(S) 170-190	6.2	3.9	1.4	.3								11.8	5.4	4.0
200-220	2.8	10.4	6.5	.2								19.9	8.0	8.0
230-250	1.2	3.9	3.0	.5								8.5	8.4	8.0
(W) 260-280	.5	1.6	.3									2.3	6.3	6.0
290-310	.9	.2	.2									1.2	3.9	3.0
320-340	1.7	.5	.5	.2								2.8	5.4	4.0
VARIABLE	.2	2.2	1.6	.2	.3							4.3	10.0	9.0
CALN	////////////////////////////////////											22.5	////////	
TOTALS	27.7	33.7	15.0	1.4	.3							100.0	5.0	6.0
TOTAL NUMBER OF OBSERVATIONS 644														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JAN HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.9	1.2										3.1	4.0	3.5
020-040	1.9	1.6	.3									3.7	4.9	4.5
050-070	2.2	1.9	.2									4.2	4.5	4.0
(E) 080-100	.6	3.1	.3									4.0	6.4	6.0
110-130	1.9	1.7										3.6	4.1	4.0
140-160	4.7	3.0	.5									8.1	4.3	4.0
(S) 170-190	4.5	3.9	1.2	.2								9.8	5.5	5.0
200-220	2.5	9.8	7.0	.6								19.9	8.3	8.0
230-250	1.2	5.1	3.4	.5	.2	.2						10.6	9.1	9.0
(W) 260-280	.6	1.7	.6	.2								3.1	7.6	8.0
290-310	.5	.5	.2									1.1	6.3	5.0
320-340	2.2	.8	.3	.2								3.4	5.0	3.5
VARIABLE	.2	3.0	4.3	1.4	.2							9.0	10.7	10.0
CALM	////////////////////////////////////											16.5	////////	
TOTALS	24.9	37.3	18.3	3.1	.4	.2						100.0	5.8	7.0

TOTAL NUMBER OF OBSERVATIONS 644

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JAN HOURS: 15-17

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	1.9	1.1										3.0	4.2	4.0
020-040	1.9	2.0	.3									4.2	4.9	5.0
050-070	1.7	1.2										3.0	4.3	4.0
(E) 080-100	1.4	2.5	.2									4.1	5.2	5.0
110-130	2.2	2.0	.5									4.7	4.9	5.0
140-160	4.8	3.9	.2									8.9	4.4	4.0
(S) 170-190	3.1	5.6	1.1									9.8	5.9	5.0
200-220	2.3	11.2	4.8	.3								18.7	7.8	8.0
230-250	1.6	5.3	3.4									10.3	7.9	8.0
(W) 260-280	.6	2.0	1.1	.2								3.9	7.8	8.0
290-310	.6	1.7	.2									2.5	5.8	6.0
320-340	2.2	.9	.5									3.6	4.9	4.0
VARIABLE		2.2	3.1	.5	.2							5.9	10.8	10.0
CALM	////////////////////////////////////											17.5	////////	
TOTALS	24.3	41.6	15.4	1.0	.2							100.0	5.4	6.0

TOTAL NUMBER OF OBSERVATIONS 641

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HAWAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JAN HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.5	.4										2.0	3.9	3.0
020-040	1.8	.2	.9									2.9	5.4	3.0
050-070	2.4	2.6										5.1	5.0	5.0
(E) 080-100	1.8	1.8	.2									3.7	5.1	5.0
110-130	2.6	.7										3.3	3.4	2.0
140-160	3.7	2.4	.7									6.8	5.1	4.0
(S) 170-190	5.3	4.4	1.3									11.0	5.3	5.0
200-220	2.6	11.9	3.1	.4								18.1	7.6	7.5
230-250	1.3	4.2	4.2	.4								10.1	8.7	8.5
(W) 260-280	.4	2.2	.9	.2								3.7	7.3	6.0
290-310	1.1	.9	.2									2.2	4.7	5.0
320-340	2.0	.4	.2									2.6	4.8	4.0
VARIABLE	1.5	.2	.2									2.0	8.4	8.0
CALM	////////////////////////////////////											26.4	////////////////////////////////	
TOTALS	26.5	33.6	11.9	1.2								100.0	4.6	6.0

TOTAL NUMBER OF OBSERVATIONS 454

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JAN HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(W) 350-010	1.2	.8										2.0	3.4	4.0
020-040	2.8	.4	.8									4.0	4.9	4.0
050-070	3.2	.8										4.0	3.6	4.0
(E) 080-100	1.6	.4										2.0	2.8	3.0
110-130	2.8	.8										3.6	3.7	4.0
140-160	6.5	2.4										8.9	3.9	3.5
(S) 170-190	2.8	6.9	2.0									11.7	6.2	5.0
200-220	2.4	9.3	5.3	.4								17.4	7.7	7.0
230-250	1.2	3.6	3.2									8.1	7.9	8.5
(W) 260-280	1.2	.8										2.0	4.2	3.0
290-310	.4	.8	1.2									2.4	9.0	9.0
320-340	1.6	.4	.4									2.4	5.3	4.0
VARIABLE		1.6	.4									2.0	8.2	8.0
CALM	////////////////////////////////////											29.1	////////	
TOTALS	27.7	29.0	13.3	.4								100.0	4.3	6.0

TOTAL NUMBER OF OBSERVATIONS 247

C - 4 - 6

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JAN HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.5	1.1										2.5	4.3	4.0
020-040	1.7	1.4	.5									3.5	5.3	5.0
050-070	2.6	1.5	.1									4.2	4.1	4.0
(E) 080-100	1.5	2.1	.1									3.7	5.1	5.0
110-130	2.0	1.5	.1									3.6	4.4	4.0
140-160	4.8	3.3	.4									8.6	4.6	4.0
(S) 170-190	4.7	4.7	1.4	.1								10.9	5.5	5.0
200-220	2.7	10.6	5.4	.4								19.1	7.8	8.0
230-250	1.4	4.3	3.1	.3	.0	.0						9.2	8.3	8.0
(W) 260-280	.6	1.7	.6	.1								3.0	7.0	7.0
290-310	.7	.8	.2									1.7	5.7	6.0
320-340	1.8	.6	.4	.1								2.9	5.2	4.0
VARIABLE	.1	2.0	2.0	.5	.2							4.7	10.4	10.0
CALM	////////////////////////////////////											22.2	////////////////////////////////	
TOTALS	26.1	35.6	14.3	1.5	.2							100.0	5.0	6.0

TOTAL NUMBER OF OBSERVATIONS 3139

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JAN HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.0	.6										2.7	3.7	4.0
020-040	1.5	1.4	1.4									4.4	6.6	7.0
050-070	1.3	.4										1.7	3.5	3.0
(E) 080-100	.7	.4										1.1	3.5	3.0
110-130	2.9	1.7	.2									4.8	4.1	4.0
140-160	8.9	3.8										12.7	3.7	3.0
(S) 170-190	7.4	3.4	1.0									11.8	4.6	4.0
200-220	4.4	8.1	2.0	.2								14.7	6.4	6.0
230-250	1.9	1.9	.6									4.5	5.3	5.0
(W) 260-280	.5	.2										.7	2.9	2.0
290-310	.4	.2	.1									.7	4.7	2.0
320-340	1.5	.6	.5									2.7	5.4	4.0
VARIABLE														
CALM	////////////////////////////////////											37.5	////////////////////////////////	
TOTALS	33.4	22.7	5.8	.2								100.0	3.1	4.0

TOTAL NUMBER OF OBSERVATIONS 978

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: FEB HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.1	3.0	.2									7.4	4.4	4.0
020-040	3.0	1.3	.4									4.8	4.6	4.0
050-070	4.8	2.6										7.4	4.2	4.0
(E) 080-100	2.2	1.3	.2									3.7	4.2	4.0
110-130	1.3		.6									1.9	5.0	2.0
140-160	3.0	.9										3.9	2.9	2.5
(S) 170-190	.4	1.9	1.5									3.9	7.9	8.5
200-220	1.9	3.5	1.9	.2								7.6	7.4	7.0
230-250	2.2	2.4	1.7	.6								6.9	7.2	6.0
(W) 260-280	.6	2.6	.4	.4								4.1	7.6	7.0
290-310	.4	.6	.4									1.5	6.9	6.0
320-340	3.2	2.2	.2									5.6	4.2	4.0
VARIABLE		2.8	1.7	.2								4.8	9.7	9.0
CALM	////////////////////////////////////											36.6	////////////////////////////////	
TOTALS	27.1	25.1	9.2	1.4								100.0	3.7	5.0

TOTAL NUMBER OF OBSERVATIONS 462

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: FEB HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL &	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.7	1.8	.2									5.7	3.7	3.0
020-040	4.7	3.0	1.0									8.7	5.1	4.0
050-070	4.5	3.9	.2									8.5	4.5	4.0
(E) 080-100	2.8	1.3										4.2	3.5	3.0
110-130	1.3	.8										2.2	3.7	4.0
140-160	2.5	1.3	.2									4.0	4.1	3.0
(S) 170-190	3.0	1.7	.7									5.4	5.1	4.0
200-220	2.8	3.2	1.7	.5	.8							9.0	8.4	8.0
230-250	1.0	2.8	1.7	.3	.3							6.2	8.9	8.0
(W) 260-280	.2	1.5	.8	.3								2.8	8.9	8.0
290-310	.5	.5	.5	.2								1.7	7.5	8.5
320-340	3.0	2.7	.7	.3								6.7	5.7	5.0
VARIABLE		2.7	2.7	.5	.2							6.0	10.7	10.0
CALM	////////////////////////////////////											28.8	////////	
TOTALS	30.0	27.2	10.4	2.1	1.3							100.0	4.4	5.0

TOTAL NUMBER OF OBSERVATIONS 597

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: FEB HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.0	2.7	.2									6.9	4.3	4.0
020-040	2.7	5.5	1.0	.2								9.4	6.2	6.0
050-070	3.4	2.5	.7									6.5	5.1	4.0
(E) 080-100	2.0	3.4	.8									6.2	6.3	7.0
110-130	1.5	1.7	.3									3.5	5.4	5.0
140-160	2.3	1.5	.3									4.2	4.8	4.0
(S) 170-190	3.2	1.0	.7									4.9	4.8	4.0
200-220	3.5	4.9	4.2	.5	.3	.5						13.9	8.7	8.0
230-250	1.2	2.7	2.3		.5							6.7	8.8	8.0
(W) 260-280	.7	1.3	1.7	.5								4.2	9.2	10.0
290-310	.7	1.5	.7		.2							3.0	7.9	6.5
320-340	5.0	3.5	1.0	.2								9.7	5.2	4.0
VARIABLE	.3	2.3	4.4	.3	.3							7.7	10.7	10.5
CALM	////////////////////////////////////											13.1	////////	
TOTALS	30.5	34.5	18.3	1.7	1.3	.5						100.0	6.0	6.0

TOTAL NUMBER OF OBSERVATIONS 596

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: FEB HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(W) 350-010	2.7	2.2	.2									5.1	4.9	4.0
020-040	2.7	4.7	2.4	.2								9.9	7.0	7.0
050-070	3.4	5.2	.3									8.9	5.0	5.0
(E) 080-100	1.9	3.4										5.2	5.1	5.0
110-130	1.5	2.2	.3									4.0	5.6	6.0
140-160	2.9	1.3	.2									4.4	3.9	3.0
(S) 170-190	3.5	2.4	.8									6.7	4.9	4.0
200-220	2.4	4.5	2.9	.2	.2							10.1	7.4	7.0
230-250	2.7	1.9	2.7	.5								7.7	7.5	6.5
(W) 260-280	1.2	1.9	2.2	.3	.2							5.7	8.4	8.0
290-310	1.9	1.0	1.7		.2							4.7	7.4	6.5
320-340	4.2	4.2	.7									9.1	5.2	5.0
VARIABLE		2.4	2.5	.8								5.7	11.0	10.0
CALM	////////////////////////////////////											12.6	////////	
TOTALS	31.0	37.3	16.9	2.0	.6							100.0	5.6	6.0

TOTAL NUMBER OF OBSERVATIONS 594

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: FEB HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(M) 350-010	2.5	2.5										5.1	4.3	4.5
020-040	3.8	6.6	1.5									11.8	6.1	6.0
050-070	2.7	2.3	.2									5.3	4.7	4.0
(E) 080-100	4.9	1.1										5.9	3.3	3.5
110-130	2.3	.2										2.5	2.8	2.0
140-160	3.8	1.7	.2									5.7	4.2	4.0
(S) 170-190	3.2	1.7	.2									5.1	4.8	4.0
200-220	1.3	4.4	2.7	.2				.2				8.9	8.5	7.0
230-250	1.5	2.7	2.3	.6								7.2	8.5	9.0
(W) 260-280	1.1	2.3	.8	.2								4.4	7.0	7.0
290-310	.6	1.7	.6									3.0	7.1	6.5
320-340	3.2	2.1	.4									5.7	4.6	4.0
VARIABLE		1.1	1.9	.4								3.4	11.7	12.0
CALN	////////////////////////////////////											26.0	////////	
TOTALS	30.9	30.4	10.8	1.4				.2				100.0	4.5	5.0
TOTAL NUMBER OF OBSERVATIONS 473														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: FEB HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(W) 350-010	2.9	2.1										5.0	4.5	4.0
020-040	6.1	5.0	.7									11.8	5.0	4.0
050-070	3.2	3.2										6.4	5.0	4.5
(E) 080-100	2.1	1.1										3.2	3.9	4.0
110-130	1.8											1.8	2.4	2.0
140-160	1.4	.7	.4									2.5	4.9	4.0
(S) 170-190	2.9	2.9	1.1									6.8	5.5	6.0
200-220	.4	3.2	4.3	.7	.4	.4						9.3	11.3	11.5
230-250	1.4	1.8	3.2	.4								6.8	8.6	10.0
(W) 260-280	1.8	2.1	.4			.4						4.6	6.9	5.0
290-310		1.4	.4	.4								2.1	9.8	8.5
320-340	1.4	2.5										3.9	4.9	5.0
VARIABLE			.4					.4				.7	23.0	18.0
CALM	////////////////////////////////////											35.0	///	////////
TOTALS	25.4	26.0	10.9	1.5	.4	.8		.4				100.0	4.3	5.0
TOTAL NUMBER OF OBSERVATIONS 280														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: FEB HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										GE 65	TOTAL	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				
(B) 350-010	3.4	2.4	.1									5.9	4.3	4.0
020-040	3.6	4.3	1.2	.1								9.3	5.9	6.0
050-070	3.7	3.4	.3									7.3	4.7	4.0
(B) 080-100	2.6	2.1	.2									4.9	4.6	4.0
110-130	1.6	1.0	.2									2.8	4.6	4.0
140-160	2.7	1.3	.2									4.2	4.1	3.0
(B) 170-190	2.8	1.8	.8									5.4	5.3	4.0
200-220	2.3	4.0	2.9	.4	.3	.1		.0				10.0	8.4	8.0
230-250	1.7	2.4	2.3	.4	.2							6.9	8.2	8.0
(W) 260-280	.8	1.9	1.2	.3	.0	.0						4.3	8.1	8.0
290-310	.8	1.1	.8	.1	.1							2.8	7.6	7.0
320-340	3.6	3.0	.6	.1								7.2	5.1	5.0
VARIABLE	.1	2.1	2.5	.4	.1			.0				5.2	10.9	10.0
CALM	////////////////////											23.8	////////	
TOTALS	29.7	30.8	13.3	1.8	.7	.1						100.0	4.9	6.0

TOTAL NUMBER OF OBSERVATIONS 3002

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAJ AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: FEB HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

		WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN
DIRECTION	(DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(W) 350-010		3.9	2.9									6.8	4.0	4.0
020-040		3.9	4.4	1.1								9.3	5.6	5.0
050-070		1.7	1.2	.2								3.0	4.4	4.0
(E) 080-100		1.2	.2									1.4	3.1	3.0
110-130		2.1	.5									2.6	3.0	2.0
140-160		5.1	2.3	.2								7.5	4.0	3.5
(S) 170-190		5.0	3.2	.8								8.9	4.7	4.0
200-220		3.3	4.1	1.5	.2							9.0	6.1	6.0
230-250		1.2	1.2	.2								2.6	5.4	5.0
(W) 260-280		.5	.5									.9	4.5	5.0
290-310		.5	.8	.9		.2						2.3	8.2	6.0
320-340		3.8	3.5	.3								7.5	4.8	4.5
VARIABLE														
CALM		////////////////////										38.3	////////	
TOTALS		32.2	24.8	5.2	.2	.2						100.0	3.0	4.0

TOTAL NUMBER OF OBSERVATIONS 665

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAR HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(W) 350-010	1.3	.6	.4	.2								2.5	6.6	4.0
020-040	1.5	1.5	.6									3.6	5.6	6.0
050-070	3.6	1.9										5.5	3.7	3.0
(E) 080-100	.8	.4										1.1	3.7	3.5
110-130	.8	.2										1.0	3.4	3.0
140-160	4.0	3.2	.2									7.4	4.9	4.0
(S) 170-190	5.7	4.0	.4	.2								10.3	4.7	4.0
200-220	1.3	7.1	2.1	.6								11.1	8.0	8.0
230-250	1.5	3.1	1.3		.2							6.1	7.0	7.0
(W) 260-280	1.3	1.9	.6		.2							4.0	6.7	6.0
290-310	.8	.8	.2									1.7	5.1	5.0
320-340	1.9	1.1	.2									3.2	4.4	4.0
VARIABLE		1.5	1.3									2.9	9.2	9.0
CALN	////////////////////////////////////											39.5	////////////////////////////////	
TOTALS	24.5	27.3	7.3	1.0	.4							100.0	3.6	5.0

TOTAL NUMBER OF OBSERVATIONS 524

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAR HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.3	1.9	.1									3.4	5.7	5.0
020-040	1.5	2.5	1.6									5.7	6.7	6.0
050-070	3.7	2.5	.3									6.6	4.7	4.0
(E) 080-100	2.1	1.0	.1									3.3	4.4	4.0
110-130	1.0	.4	.1									1.6	4.5	4.0
140-160	3.3	3.3	.4									7.0	4.9	5.0
(S) 170-190	3.0	4.6	2.1									9.7	6.4	6.0
200-220	2.7	7.5	5.8	.1								16.2	8.0	8.0
230-250	1.3	2.1	1.6	.3								5.4	8.0	8.0
(W) 260-280	.6	2.4	1.3	.4								4.8	8.3	8.0
290-310	.7	2.2	.3									3.3	6.1	6.5
320-340	3.1	1.6	.3									5.1	4.9	4.0
VARIABLE		1.6	2.1	.6	.1							4.5	11.3	10.5
CALM	////////////////////////////////////											23.2	////////	
TOTALS	24.3	33.6	16.1	1.4	.1							100.0	5.2	6.0

TOTAL NUMBER OF OBSERVATIONS 667

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAR HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.2	1.8	.3									5.3	4.6	3.0
020-040	2.4	2.9	1.5	.5								7.2	7.1	7.0
050-070	2.4	1.8	.3									4.5	4.6	4.0
(E) 080-100	.9	1.8	.3									3.0	5.4	6.0
110-130	1.4	1.1										2.4	4.6	4.0
140-160	2.1	2.3	.2									4.5	4.7	5.0
(S) 170-190	2.0	6.0	1.1	.2								9.2	6.7	6.0
200-220	2.3	7.4	7.8	.9	.2							18.6	8.8	9.0
230-250	1.8	4.4	2.9	1.2	.3							10.6	8.7	8.0
(W) 260-280	.5	1.7	1.7	.2								3.9	8.7	9.0
290-310	1.8	2.9	1.4									6.0	6.3	6.0
320-340	4.5	2.9	.8									8.1	4.7	4.0
VARIABLE	.2	3.6	3.8	.6	.2							8.3	10.2	10.0
CALM	////////////////////////////////////											8.3	////////	
TOTALS	25.5	40.6	22.1	3.6	.7							100.0	6.6	7.0

TOTAL NUMBER OF OBSERVATIONS 663

OPERATING LOCATION "A"
USAFETAC, ASSEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAR HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.0	1.9	.9	.2								7.0	5.0	3.0
020-040	1.5	2.5	2.6									6.6	8.0	8.0
050-070	.8	1.1										1.9	5.4	5.5
(E) 080-100	1.4	2.5	.2									4.0	5.4	5.5
110-130	1.4	2.5										3.9	5.0	5.0
140-160	2.0	1.9	.2									4.0	4.5	4.5
(S) 170-190	2.5	5.4	1.4	.2								9.4	6.7	7.0
200-220	2.2	7.4	6.0	.5								16.1	8.6	8.0
230-250	2.3	4.5	3.7	.8								11.3	8.0	8.0
(W) 260-280	1.1	2.9	1.4	.3								5.7	8.0	8.0
290-310	2.8	2.5	1.5	.2	.2							7.1	6.5	5.0
320-340	6.0	2.3	1.5									9.9	5.0	4.0
VARIABLE		2.2	4.3	.8								7.3	11.1	10.0
CALM	////////////////////////////////////											5.9	////////	
TOTALS	28.0	39.6	23.7	3.0	.2							100.0	6.7	7.0

TOTAL NUMBER OF OBSERVATIONS 647

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAR HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.7	2.0										5.7	3.9	3.5
020-040	2.4	3.5	.9									6.8	6.0	6.0
050-070	3.3	2.4	.4									6.1	5.0	4.0
(E) 080-100	2.6	1.5										4.2	4.0	4.0
110-130	1.1	.4										1.5	3.6	4.0
140-160	3.9	2.0	.2									6.1	4.2	4.0
(S) 170-190	4.6	5.3	1.5									11.4	6.0	5.0
200-220	3.5	6.6	3.7	.2								14.0	7.2	6.0
230-250	2.4	2.6	1.3									6.3	6.0	6.0
(W) 260-280	1.5	4.2	.4									6.1	6.5	7.0
290-310	1.8	.4	.9	.4								3.5	6.8	4.5
320-340	3.1	.7	.7									4.4	4.8	3.0
VARIABLE		1.1	.4									1.5	8.7	8.0
CALN	////////////////////											22.3	////////	
TOTALS	33.9	32.7	10.4	.6								100.0	4.5	5.0

TOTAL NUMBER OF OBSERVATIONS 457

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAR HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.5											2.5	2.8	3.0
020-040	1.7	1.3	1.3									4.2	6.2	5.5
050-070	4.7	3.8										8.5	4.1	4.0
(E) 080-100	2.5											2.5	3.0	3.0
110-130		.4										.4	8.0	8.0
140-160	5.5	2.1										7.6	3.9	4.0
(S) 170-190	2.5	5.5	.4									8.5	5.3	5.0
200-220	4.2	4.2	3.0									11.4	6.7	6.0
230-250	2.1	3.0	.8									5.9	5.9	5.5
(W) 260-280	2.1	3.4										5.5	4.6	5.0
290-310		.4										.4	6.0	6.0
320-340	.4	2.5	.8									3.8	6.9	6.0
VARIABLE		1.3										1.3	8.3	8.0
CALM	////////////////////////////////////											37.3	////////////////////////////////	
TOTALS	28.2	27.9	6.3									100.0	3.3	5.0

TOTAL NUMBER OF OBSERVATIONS 236

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAR HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.7	1.5	.3	.1								4.6	4.9	4.0
020-040	1.8	2.5	1.5	.1								5.9	6.8	7.0
050-070	2.8	2.1	.2									5.1	4.5	4.0
(E) 080-100	1.6	1.4	.1									3.1	4.7	4.0
110-130	1.1	.9	.0									2.0	4.6	4.0
140-160	3.2	2.5	.2									5.9	4.6	4.0
(S) 170-190	3.3	5.1	1.3	.1								9.8	6.1	6.0
200-220	2.5	7.0	5.2	.4	.0							15.2	8.2	8.0
230-250	1.9	3.4	2.2	.5	.1							8.0	7.7	7.5
(W) 260-280	1.0	2.6	1.1	.2	.0							4.9	7.5	7.0
290-310	1.5	1.8	.8	.1	.0							4.2	6.3	6.0
320-340	3.6	1.9	.7									6.2	4.9	4.0
VARIABLE	.0	2.0	2.4	.4	.1							4.9	10.5	10.0
CALM	////////////////////////////////////											20.2	////////////////////////////////	
TOTALS	27.0	34.7	16.0	1.9	.2							100.0	5.3	6.0

TOTAL NUMBER OF OBSERVATIONS 3194

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAR HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.9	1.6										4.6	4.0	4.0
020-040	2.4	1.8	.4									4.6	4.7	4.0
050-070	4.0	.7										4.8	3.2	3.0
(E) 080-100	.7	.4										1.1	3.8	4.0
110-130	.5											.5	2.7	3.0
140-160	3.5	1.1										4.6	3.4	3.0
(S) 170-190	6.6	6.4	.2									13.2	4.8	4.5
200-220	3.3	8.2	4.0									15.5	7.1	7.0
230-250	.9	1.5	.2									2.6	5.6	6.0
(W) 260-280	.2	.2										.4	4.5	4.5
290-310	1.8	.2	.2									2.2	2.9	2.0
320-340	4.0	1.8	.7									6.6	4.5	4.0
VARIABLE														
CALM	////////////////////////////////////											39.5	////////////////////////////////	
TOTALS	30.8	23.9	5.7									100.0	3.0	4.0

TOTAL NUMBER OF OBSERVATIONS 547

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HAKAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: APR HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.9	2.5	.2									6.5	4.6	4.0
020-040	3.4	2.8										6.2	4.4	4.0
050-070	3.7	1.6										5.3	3.4	3.0
(E) 080-100	1.9	.6										2.5	3.6	3.0
110-130	.8											.8	2.0	2.0
140-160	4.3	.5										4.8	2.8	3.0
(S) 170-190	5.6	2.0	.3									7.9	3.9	3.0
200-220	3.1	4.8	.9									8.8	6.0	7.0
230-250	1.6	2.0	.2									3.7	5.3	5.0
(W) 260-280	1.6	.8	.2									2.5	4.9	4.0
290-310	2.0	.9										2.9	3.5	3.0
320-340	2.3	2.2	.9									5.4	5.5	5.0
VARIABLE	.3											.3	8.0	8.0
CALM	////////////////////////////////////											42.3	////////////////////////////////	
TOTALS	34.2	21.0	2.7									100.0	2.6	4.0

TOTAL NUMBER OF OBSERVATIONS 645

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: APR HOURS: 09-11

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(W) 350-010	2.9	3.6	.6									7.1	5.5	6.0
020-040	3.8	3.6	1.7									9.1	5.7	5.5
050-070	3.9	4.9	.8									9.6	5.3	6.0
(E) 080-100	1.7	1.1	.6									3.3	5.5	4.5
110-130	1.7	.8	.2									2.6	4.5	4.0
140-160	3.6	1.8										5.5	3.7	3.0
(S) 170-190	3.8	3.3	.3									7.4	4.7	4.0
200-220	3.5	6.5	2.9	.3								13.2	6.9	7.0
230-250	1.8	3.9	1.5									7.3	6.8	6.0
(W) 260-280	1.7	2.1	.3									4.1	5.9	6.0
290-310	1.5	2.4	.5									4.4	5.6	6.0
320-340	4.2	3.5	1.2	.2								9.1	5.6	5.0
VARIABLE		2.7	1.4									4.1	8.8	8.0
CALM	////////////////////////////////////											13.2	////////////////////////////////	
TOTALS	34.1	40.2	12.0	.5								100.0	5.0	6.0

TOTAL NUMBER OF OBSERVATIONS 659

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: APR HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.0	3.1	1.5	.2								8.7	5.8	5.0
020-040	2.1	3.8	1.5									7.5	6.4	5.0
050-070	3.5	3.5	.6									7.7	5.1	5.0
(E) 080-100	.8	2.9	.6									4.3	6.7	7.0
110-130	1.2	2.0		.2								3.4	5.1	5.0
140-160	1.5	2.1	.2									3.8	4.9	5.0
(S) 170-190	2.1	3.1	.3									5.5	5.2	5.0
200-220	2.6	6.7	2.5	.6								12.4	7.4	7.0
230-250	2.0	4.0	1.7	.8								8.4	7.8	7.0
(W) 260-280	2.3	2.9	2.3									7.5	6.8	6.0
290-310	2.5	4.6	.5									7.5	5.7	6.0
320-340	5.2	3.4	1.8									10.4	5.4	4.5
VARIABLE	4.0	3.2	.3									7.5	9.5	9.0
CALM	////////////////////////////////////											5.2	////////////////////////////////	
TOTALS	29.8	46.1	16.7	2.1								100.0	6.1	6.0

TOTAL NUMBER OF OBSERVATIONS 652

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUE WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: APR HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(W) 350-010	3.4	3.3	2.0									8.7	6.4	6.0
020-040	3.3	5.9	1.8									11.0	6.3	6.0
050-070	2.0	2.5	1.1									5.6	6.3	6.0
(E) 080-100	2.0	1.8	1.0									4.7	5.5	5.0
110-130	1.6	1.8	.2									3.6	5.3	5.0
140-160	.8	2.6	.3									3.8	5.7	5.0
(S) 170-190	1.5	3.9	.2									5.6	5.5	5.5
200-220	1.8	4.7	2.0	.3								8.8	7.1	6.0
230-250	2.5	4.4	2.8	.3								10.0	7.5	7.0
(W) 260-280	2.5	4.7	1.1	.2								8.5	6.5	6.0
290-310	3.1	4.1	.7									7.9	5.7	5.0
320-340	3.4	4.9	2.6	.3								11.3	7.1	7.0
VARIABLE		2.8	2.9	.2								5.9	9.6	10.0
CALM	////////////////////////////////////											4.7	////////	
TOTALS	27.9	47.4	18.7	1.3								100.0	6.3	6.0

TOTAL NUMBER OF OBSERVATIONS 611

OPERATING LOCATION "A"
UNAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: APR HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(W) 350-010	5.1	3.7	.8									9.6	4.9	4.0
020-040	3.1	6.6	1.6									11.3	6.4	6.0
050-070	1.9	1.9	1.2									5.1	6.1	6.5
(E) 080-100	2.9	1.6	.2									4.7	4.8	4.0
110-130	3.5	1.6		.2								5.3	4.0	4.0
140-160	3.5	1.2										4.7	3.9	4.0
(S) 170-190	2.3	2.1	.2									4.7	4.3	4.5
200-220	2.7	3.5	.6									6.8	5.4	5.0
230-250	2.9	3.3	.6	.2	.2							7.2	6.4	6.0
(W) 260-280	3.1	3.3	.6	.2								7.2	5.6	5.0
290-310	3.3	2.1	1.0									6.4	5.2	4.0
320-340	3.1	3.3	1.9									8.4	6.5	6.0
VARIABLE		.2	.4									.6	10.7	12.0
CALM	////////////////////////////////////											18.1	////////	
TOTALS	37.4	34.4	9.1	.6	.2							100.0	4.5	5.0
TOTAL NUMBER OF OBSERVATIONS 513														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: APR HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.9	1.5	.7									5.1	4.9	4.0
020-040	5.1	4.0	1.1									10.3	5.5	4.5
050-070	6.3	.7										7.0	2.9	3.0
(E) 080-100	2.2	1.1										3.3	3.4	2.0
110-130	2.6	1.1										3.7	3.5	2.0
140-160	2.2	2.9	.4									5.5	5.3	5.0
(S) 170-190	2.6											2.6	3.4	4.0
200-220	2.9	1.8	.7	.4								5.9	5.3	4.0
230-250	3.3	2.6										5.9	4.2	4.0
(W) 260-280	.7		.7									1.5	6.3	7.0
290-310	1.8	1.5										3.3	4.3	4.0
320-340	2.9	2.9	.4									6.2	4.9	5.0
VARIABLE														
CALM	////////////////////////////////////											39.7	////////////////////////////////	
TOTALS	35.5	20.1	4.0	.4								100.0	2.7	4.0

TOTAL NUMBER OF OBSERVATIONS 272

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: APR HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.7	3.1	1.0	.0								7.8	5.5	5.0
020-040	3.3	4.4	1.3									9.0	5.9	6.0
050-070	3.3	2.7	.7									6.7	5.0	5.0
(E) 080-100	1.8	1.6	.4									3.8	5.2	5.0
110-130	1.8	1.2	.1	.1								3.1	4.5	4.0
140-160	2.7	1.8	.1									4.6	4.2	4.0
(S) 170-190	3.1	2.7	.2									6.0	4.6	4.0
200-220	2.8	5.1	1.7	.3								9.8	6.7	6.0
230-250	2.2	3.5	1.3	.2	.0							7.2	6.8	6.0
(W) 260-280	2.1	2.5	.9	.1								5.5	6.2	6.0
290-310	2.4	2.7	.4									5.6	5.3	5.0
320-340	3.6	3.4	1.6	.1								8.7	6.0	5.0
VARIABLE	1.9	1.5	.1									3.5	9.4	9.0
CALM	////////////////////											18.6	////////	
TOTALS	32.8	36.6	11.2	.9								100.0	4.7	5.0

TOTAL NUMBER OF OBSERVATIONS 3352

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: APR HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

		WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN
DIRECTION	(DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(N) 350-010		4.7	2.4	.3								7.4	4.3	3.0
020-040		4.4	1.4	.3								6.1	4.2	4.0
050-070		1.4	.3									1.7	2.8	2.0
(E) 080-100		1.7										1.7	1.8	2.0
110-130		1.7										1.7	1.6	1.0
140-160		5.4	1.0									6.4	3.3	3.0
(S) 170-190		6.1	3.7									9.8	3.8	3.0
200-220		7.1	5.1									12.2	4.3	4.0
230-250		4.7	3.4	.3								8.4	4.9	4.0
(W) 260-280		2.4	1.7									4.1	4.2	4.0
290-310		2.0	1.0									3.0	3.2	2.0
320-340		2.7	3.0	3.0								8.8	6.8	8.0
.....														
VARIABLE														
CALM		////////////////////////////////////										28.7	////////////////////////////////	
TOTALS		44.3	23.0	3.9								100.0	3.1	4.0

TOTAL NUMBER OF OBSERVATIONS 296

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAY HOURS: 06-08

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(W) 350-010	2.7	.3	.5									3.5	3.8	2.0
020-040	3.3	.5										3.8	2.7	2.0
050-070	3.2	2.9										6.1	4.4	4.0
(E) 080-100	2.5	.6										3.2	2.9	2.0
110-130	1.8	.3										2.1	2.6	2.0
140-160	3.5	1.4										4.9	3.2	2.0
(S) 170-190	4.1	4.0	.3									8.4	4.8	5.0
200-220	2.7	5.7	1.0									9.4	6.1	6.0
230-250	1.4	1.4										2.9	4.3	4.5
(W) 260-280	3.2	1.0										4.1	3.2	3.0
290-310	1.3	1.1										2.4	4.6	4.0
320-340	5.4	4.0	.2									9.6	4.4	4.0
VARIABLE		.5	.5									1.0	9.7	9.5
CALM	////////////////////////////////////											38.7	////////	
TOTALS	35.1	23.7	2.5									100.0	2.7	4.0

TOTAL NUMBER OF OBSERVATIONS 628

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAY HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.8	1.6	1.6									5.9	5.7	6.0
020-040	2.3	1.1										3.4	3.7	3.5
050-070	1.9	2.2	.8									4.9	5.5	5.0
(E) 080-100	.8	2.7	.5									3.9	6.1	6.0
110-130	2.2	1.9	.3									4.4	4.6	4.5
140-160	3.0	2.3	.2									5.5	4.3	4.0
(S) 170-190	4.1	3.6	.3									8.0	5.1	4.0
200-220	3.3	6.3	3.3									12.8	7.0	7.0
230-250	4.5	3.9	.6	.2								9.2	5.3	5.0
(W) 260-280	3.0	1.4	.2									4.5	3.8	3.0
290-310	3.1	1.7	.5									5.3	4.8	4.0
320-340	5.2	5.2										10.3	4.5	4.5
VARIABLE		4.1	1.3	.2								5.5	6.9	8.0
CALM	////////////////////////////////////											16.3	////////////////////////////////	
TOTALS	36.2	38.0	9.6	.4								100.0	4.6	5.0
TOTAL NUMBER OF OBSERVATIONS 639														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAY HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.7	2.5	.9									6.2	5.7	5.0
020-040	2.5	2.1	.6									5.2	5.5	5.0
050-070	1.4	2.2	.6									4.3	6.3	6.0
(E) 080-100	1.4	2.1	.8									4.3	6.1	6.0
110-130	.8	2.7	.3									3.8	5.7	5.5
140-160	1.7	1.4										3.2	4.6	4.0
(S) 170-190	2.7	3.3	.2									6.2	4.9	5.0
200-220	4.6	7.3	2.4	.2								14.4	6.4	6.0
230-250	4.3	5.2	1.9	.2								11.6	6.4	6.0
(W) 260-280	3.2	2.7	.9									6.8	5.5	5.0
290-310	3.3	1.9	.3									5.5	4.4	4.0
320-340	5.5	5.2	.6									11.4	5.0	5.0
VARIABLE		6.3	4.1	.2								10.6	9.0	9.0
CALM	////////////////////											6.6	////////	////////
TOTALS	34.1	44.9	13.6	.6								100.0	5.6	6.0

TOTAL NUMBER OF OBSERVATIONS 632

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAY HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.2	2.3	.5									7.0	4.6	4.0
020-040	2.3	2.8	.8									5.9	5.6	5.0
050-070	2.1	2.3	1.3									5.7	6.3	5.0
(E) 080-100	1.8	2.6	.8									5.2	6.1	5.0
110-130	.8	3.6	.2									4.6	6.0	6.0
140-160	1.8	1.3	.2									3.3	4.6	4.0
(S) 170-190	2.4	4.1	1.0									7.5	5.8	5.5
200-220	3.4	7.2	1.3									11.9	6.3	6.0
230-250	2.8	4.1	2.4	.5								9.8	7.4	6.5
(W) 260-280	2.6	2.8	.7									6.0	5.2	5.0
290-310	3.4	3.9	1.0	.2								8.5	5.7	5.0
320-340	4.9	5.5	.7									11.1	5.3	5.0
VARIABLE		2.4	2.4									4.9	9.4	9.5
CALM	////////////////////////////////////											8.9	////////	
TOTALS	32.5	44.9	13.3	.7								100.0	5.5	6.0

TOTAL NUMBER OF OBSERVATIONS 615

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAY HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(W) 350-010	5.0	3.2										8.2	4.2	4.0
020-040	2.6	1.2		.2								4.0	4.4	3.5
050-070	2.4	1.8	.2									4.4	4.5	4.0
(E) 080-100	3.2	3.0	.8									7.0	5.3	5.0
110-130	3.2	.8										4.0	3.8	4.0
140-160	5.6	1.6	.2									7.4	3.5	3.0
(S) 170-190	4.2	1.6	.6									6.4	4.3	4.0
200-220	4.2	4.2	1.2									9.6	5.5	5.0
230-250	2.6	4.8	1.2	.2								8.8	6.2	6.0
(W) 260-280	2.2	1.4										3.6	3.8	3.0
290-310	2.8	1.6	.4									4.8	4.7	4.0
320-340	5.0	3.4										8.4	4.3	4.0
VARIABLE			.6									.6	10.7	10.0
CALM	////////////////////											23.0	////////	
TOTALS	43.0	28.6	5.2	.4								100.0	3.6	4.0

TOTAL NUMBER OF OBSERVATIONS 501

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAY HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(W) 350-010	3.1	.7										3.8	3.5	3.0
020-040	3.8	1.4										5.2	3.5	4.0
050-070	4.2	1.7										5.9	3.3	3.0
(E) 080-100	2.4	.3										2.8	2.9	2.5
110-130	1.7											1.7	2.0	2.0
140-160	4.5											4.5	2.8	3.0
(S) 170-190	4.9	3.1										8.0	4.1	4.0
200-220	2.8	3.5										6.3	4.7	5.0
230-250	4.5	2.4										7.0	4.3	4.0
(W) 260-280	2.1	.7	.3									3.1	5.2	4.0
290-310	1.0											1.0	3.0	3.0
320-340	2.4	2.4	.3									5.2	4.7	5.0
.....														
VARIABLE														
CALM	////////////////////////////////////											45.1	////////	
TOTALS	37.4	16.2	.6									107.0	2.1	4.0

TOTAL NUMBER OF OBSERVATIONS 286

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAY HOURS: ALL

WIND SPEED IN KNOTS														
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND
(N) 350-010	3.4	1.8	.7									5.9	4.8	4.0
020-040	2.7	1.5	.3	.0								4.5	4.5	4.0
050-070	2.4	2.2	.5									5.1	5.2	5.0
(E) 080-100	1.9	2.0	.5									4.5	5.3	5.0
110-130	1.7	1.7	.2									3.6	4.7	5.0
140-160	3.2	1.5	.1									4.7	3.9	4.0
(S) 170-190	3.6	3.4	.4									7.4	4.9	5.0
200-220	3.5	6.0	1.7	.0								11.2	6.3	6.0
230-250	3.3	3.7	1.1	.2								8.3	6.1	6.0
(W) 260-280	2.8	1.8	.4									4.9	4.6	4.0
290-310	2.6	1.9	.4	.0								4.9	4.9	4.0
320-340	5.0	4.5	.3									9.8	4.7	4.0
VARIABLE		2.5	1.7	.1								4.3	9.1	9.0
CALM	////////////////////////////////////											20.8	////////	
TOTALS	36.1	34.5	8.3	.3								100.0	4.2	5.0

TOTAL NUMBER OF OBSERVATIONS 3301

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAY HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

WIND SPEED IN KNOTS														
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND
(W) 350-010	4.3	1.1	3.7									9.1	6.2	6.0
020-040	1.6											1.6	2.7	3.0
050-070	1.6	.5										2.1	2.8	2.5
(E) 080-100	1.1	.5										1.6	3.0	2.0
110-130														
140-160	8.0	2.7										10.7	2.8	2.0
(S) 170-190	6.4	4.8	1.1									12.3	5.3	4.0
200-220	5.9	5.9	1.6									13.4	5.4	5.0
230-250	5.3	3.2										8.6	4.7	4.0
(W) 260-280	2.7											2.7	3.2	3.0
290-310	2.7	1.1										3.7	3.7	3.0
320-340	3.2	8.0	.5									11.8	6.2	6.0
VARIABLE														
CALM	////////////////////											22.5	//////////	
TOTALS	42.8	27.8	6.9									100.0	3.7	4.0
TOTAL NUMBER OF OBSERVATIONS 187														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUN HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.8	.6										4.5	3.3	3.0
020-040	4.5	.8										5.2	3.0	3.0
050-070	3.1											3.1	2.3	2.0
(E) 080-100	1.7	.3										2.0	2.9	3.0
110-130	1.7											1.7	1.8	2.0
140-160	4.8	.5										5.2	2.6	2.5
(S) 170-190	4.1	1.2										5.4	3.3	3.0
200-220	4.9	6.1	.9	.3								12.3	5.6	5.0
230-250	2.5	2.8	.8									6.0	5.4	5.0
(W) 260-280	3.2	.8	.2									4.1	3.7	3.0
290-310	2.2	2.0										4.1	4.2	4.0
320-340	5.5	2.2										7.7	3.5	3.0
VARIABLE		.3	.3									.6	9.8	9.0
CALM	////////////////////////////////////											38.1	////////	
TOTALS	42.0	17.6	2.2	.3								100.0	2.4	3.0

TOTAL NUMBER OF OBSERVATIONS 651

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUN HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.5	2.0	.2									4.6	4.6	4.0
020-040	2.9	3.1										6.0	4.5	5.0
050-070	2.2	1.2										3.4	4.0	4.0
(E) 080-100	2.3	2.2										4.5	4.1	4.0
110-130	.8	.8	.2									1.7	4.5	5.0
140-160	3.4	.8										4.2	3.4	3.0
(S) 170-190	4.9	3.7										8.6	4.4	4.0
200-220	4.3	8.8	1.7	.5								15.3	6.3	6.0
230-250	4.3	8.2	1.1									13.6	5.8	6.0
(W) 260-280	2.9	2.0										4.9	4.0	4.0
290-310	3.7	2.9	.6									7.2	4.7	4.0
320-340	5.7	5.9										11.6	4.3	5.0
VARIABLE		2.6	.9									3.5	8.5	8.0
CALM	////////////////////////////////////											10.9	////////	
TOTALS	39.9	44.2	4.7	.5								100.0	4.5	5.0

TOTAL NUMBER OF OBSERVATIONS 649

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUN HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(W) 350-010	2.8	1.7	.3									4.8	4.8	4.0
020-040	3.3	2.9	.3									6.5	4.6	4.5
050-070	1.4	2.6										4.0	5.1	5.5
(E) 080-100	.6	2.0										2.6	5.1	5.0
110-130	2.0	.9	.3									3.3	4.7	4.0
140-160	2.6	2.3										5.0	4.4	4.0
(S) 170-190	2.8	3.9	.2									6.8	5.1	5.0
200-220	4.8	7.9	2.0	.9								15.7	6.6	6.0
230-250	3.1	6.0	2.2	.2								11.5	6.6	6.0
(W) 260-280	3.7	4.7	.8									9.1	5.5	5.0
290-310	4.5	4.2	.3									9.0	4.7	4.5
320-340	4.7	4.7	.3									9.6	5.0	5.0
VARIABLE		5.3	1.4	.2								6.8	8.5	8.0
CALM	////////////////////////////////////											5.3	////////////////////////////////	
TOTALS	36.3	49.1	8.1	1.3								100.0	5.4	5.0

TOTAL NUMBER OF OBSERVATIONS 645

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUN HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	OR 65			
(N) 350-010	3.8	2.1	.3									6.2	4.2	3.0
020-040	2.8	3.3										6.1	4.8	5.0
050-070	1.5	2.1										3.6	4.6	5.0
(E) 080-100	2.5	1.3										3.8	4.4	4.0
110-130	1.1	1.1										2.3	3.9	4.5
140-160	2.1	1.8										3.9	4.0	4.0
(S) 170-190	3.4	1.6										5.1	3.8	4.0
200-220	3.1	7.4	3.8	.5								14.8	7.3	7.0
230-250	3.1	5.4	1.5	.3								10.3	6.3	6.0
(W) 260-280	4.1	4.1	1.1									9.3	5.5	5.0
290-310	4.6	4.8	1.1									10.5	5.4	5.0
320-340	5.2	5.2	.5									11.0	5.0	5.0
VARIABLE		4.4	1.5	.3								6.2	9.0	8.0
CALM	////////////////////////////////////											6.9	////////	
TOTALS	37.3	44.6	9.8	1.1								100.0	5.2	5.0

TOTAL NUMBER OF OBSERVATIONS 610

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUN HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.6	1.5	.2									6.2	4.1	4.0
020-040	3.1	2.5										5.6	4.2	4.0
050-070	2.9	.6	.2									3.7	2.8	1.5
(E) 080-100	3.5	.8										4.4	3.8	4.0
110-130	2.5	.8										3.3	3.3	2.5
140-160	4.6	1.0										5.6	3.4	3.0
(S) 170-190	4.0	.8	.2									5.0	3.3	3.0
200-220	2.7	4.6	.4									7.7	5.6	6.0
230-250	5.8	6.7	1.0									13.5	5.3	5.0
(W) 260-280	3.5	2.9										6.4	4.6	4.0
290-310	4.8	3.1	.2									8.1	4.4	4.0
320-340	4.4	4.4										8.7	4.9	4.5
VARIABLE		.4	.2	.2								.8	10.3	9.0
CALM	////////////////////////////////////											20.8	////////////////////////////////	
TOTALS	46.4	30.1	2.4	.2								100.0	3.5	4.0

TOTAL NUMBER OF OBSERVATIONS 481

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUN HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.0											1.0	2.3	2.0
020-040	3.8											3.8	2.7	2.0
050-070	3.8	.3										4.2	2.6	2.5
(E) 080-100		.3										.3	6.0	6.0
110-130	1.0											1.0	2.0	2.0
140-160	3.5	1.0										4.5	3.3	3.0
(S) 170-190	7.3	.7										8.0	3.0	3.0
200-220	2.4	2.8	.3									5.6	4.9	5.0
230-250	2.4	2.4										4.9	5.0	4.5
(W) 260-280	3.1	2.1										5.2	4.3	4.0
290-310	5.6	1.0										6.6	3.0	2.0
320-340	4.9	2.1										6.9	3.6	2.5
VARIABLE			.3									.3	14.0	14.0
CALM	////////////////////////////////////											47.6	////////////////////////////////	
TOTALS	38.8	12.7	.6									100.0	1.9	3.0

TOTAL NUMBER OF OBSERVATIONS 288

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUN HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(W) 350-010	3.2	1.4	.2									4.8	4.2	4.0
020-040	3.4	2.3	.1									5.7	4.2	4.0
050-070	2.3	1.3	.0									3.6	3.7	4.0
(E) 080-100	1.9	1.3										3.1	4.2	4.0
110-130	1.5	.7	.1									2.3	3.7	3.5
140-160	3.5	1.3										4.7	3.5	3.0
(S) 170-190	4.2	2.2	.1									6.4	4.0	4.0
200-220	3.9	6.7	1.7	.4								12.7	6.3	6.0
230-250	3.5	5.5	1.2	.1								10.3	5.9	6.0
(W) 260-280	3.5	2.8	.4									6.6	4.9	4.0
290-310	4.0	3.2	.4									7.6	4.6	4.0
320-340	5.1	4.2	.2									9.5	4.5	4.0
VARIABLE		2.5	.8	.1								3.4	8.8	8.0
CALM	////////////////////											19.0	////////	
TOTALS	40.0	35.4	5.2	.6								100.0	4.0	5.0

TOTAL NUMBER OF OBSERVATIONS 3324

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUN HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.8		.7									3.4	4.4	4.0
020-040	4.8	.7										5.5	3.3	3.0
050-070	.7											.7	2.0	2.0
(E) 080-100														
110-130	1.4											1.4	1.0	1.0
140-160	4.1											4.1	2.2	1.5
(S) 170-190	8.3	3.4										11.7	3.9	4.0
200-220	6.9	2.1	3.4									12.4	5.4	4.0
230-250	6.2	5.5										11.7	4.4	4.0
(W) 260-280	4.1											4.1	2.3	2.0
290-310	2.1	.7										2.8	3.8	4.0
320-340	9.0	4.1										13.1	4.1	4.0
VARIABLE														
CALM	////////////////////											29.0	////////	
TOTALS	50.4	16.5	4.1									100.0	2.8	4.0

TOTAL NUMBER OF OBSERVATIONS 145

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUL HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(W) 350-010	4.7	.9										5.6	3.0	2.0
020-040	3.0	.8										3.8	2.9	2.0
050-070	4.1	.8										4.9	2.9	2.0
(E) 080-100	2.0	.3										2.3	2.9	3.0
110-130	.9											.9	1.8	1.5
140-160	2.3	.8										3.1	3.1	2.5
(S) 170-190	5.0	1.1										6.1	3.2	2.0
200-220	3.4	2.7	.2									6.3	4.5	4.0
230-250	2.2	5.0	.5									7.7	5.5	5.0
(W) 260-280	1.7	1.1										2.8	3.8	3.0
290-310	2.2	.8										3.0	3.4	4.0
320-340	5.9	2.2										8.1	3.3	3.0
VARIABLE		.8	.3									1.1	8.9	8.0
CALM	////////////////////////////////////											44.3	////////////////////////////////	
TOTALS	37.4	17.3	1.0									100.0	2.1	3.0

TOTAL NUMBER OF OBSERVATIONS 639

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUL HOURS: 09-11

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	3.3	2.0	.2									5.5	4.1	3.0
020-040	3.1	.8										3.9	3.3	3.0
050-070	3.1	1.3										4.4	3.9	4.0
(E) 080-100	1.3	2.2										3.5	4.4	5.0
110-130	2.8	.9										3.8	3.2	2.5
140-160	3.1	2.8										6.0	4.1	4.0
(S) 170-190	4.7	1.6										6.3	3.7	3.5
200-220	5.2	5.2	.9	.2								11.5	5.2	5.0
230-250	5.2	6.9	.9									13.0	5.5	5.0
(W) 260-280	4.9	1.7										6.6	3.2	3.0
290-310	4.2	3.1	.2									7.5	4.5	4.0
320-340	6.3	5.3	.2									11.8	4.4	4.0
VARIABLE		3.8	1.1	.2								5.0	8.7	8.0
CALM	////////////////////											11.3	////////	
TOTALS	47.2	37.6	3.5	.4								100.0	4.1	4.0
TOTAL NUMBER OF OBSERVATIONS 637														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUL HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL &	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.7	3.0										5.7	4.7	5.0
020-040	2.4	1.9										4.3	4.3	4.0
050-070	1.6	2.1										3.6	4.6	5.0
(E) 080-100	1.6	2.2	.3									4.1	5.5	5.0
110-130	.9	2.1										3.0	5.3	6.0
140-160	1.9	2.5	.2									4.6	4.6	5.0
(S) 170-190	3.2	2.8	.3									6.3	4.6	4.5
200-220	3.8	4.9	1.3									10.0	6.0	5.0
230-250	4.1	7.4	1.9	.5								13.9	6.6	6.0
(W) 260-280	4.1	4.3	.5									8.9	4.7	5.0
290-310	4.9	5.2	.5									10.6	5.0	5.0
320-340	5.1	4.3	.2									9.5	4.7	4.0
VARIABLE		7.1	3.2	.3								10.6	8.9	8.0
CALM	////////////////////											4.9	////////	
TOTALS	36.3	49.8	8.4	.8								100.0	5.4	5.0
TOTAL NUMBER OF OBSERVATIONS 632														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUL HOURS: 15-17

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	5.5	2.2										7.7	3.9	4.0
020-040	2.8	1.4	.2									4.4	4.4	4.0
050-070	1.9	1.4										3.3	4.5	4.0
(E) 080-100	3.0	2.2										5.2	4.3	4.0
110-130	1.3	2.2										3.5	5.3	5.5
140-160	1.6	2.4										3.9	4.6	5.0
(S) 170-190	2.7	3.6										6.3	4.8	5.0
200-220	2.7	4.3	1.4	.2								8.5	6.5	6.0
230-250	3.2	6.6	1.9	.2								11.8	6.5	6.0
(W) 260-280	3.9	5.5	1.7	.2								11.4	6.0	5.0
290-310	5.1	3.8	.9									9.8	5.0	4.0
320-340	6.2	8.1	.2									14.4	4.8	5.0
VARIABLE		3.9	1.4									5.4	8.4	8.0
CALM	////////////////////////////////////											4.3	////////	
TOTALS	39.9	47.6	7.7	.6								100.0	5.2	5.0
TOTAL NUMBER OF OBSERVATIONS 633														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUL HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	6.8	2.1										8.9	3.7	3.0
020-040	3.3	.5										3.9	3.1	3.0
050-070	1.9											1.9	2.2	2.0
(E) 080-100	3.7	1.8										5.4	3.9	4.0
110-130	2.3	1.9										4.2	4.1	4.0
140-160	1.9	1.1	.2									3.2	3.8	3.0
(S) 170-190	3.0	1.4										4.4	3.7	4.0
200-220	3.5	3.9	1.1									8.4	5.7	5.5
230-250	4.7	4.4	.5									9.6	5.0	5.0
(W) 260-280	5.3	3.3	.4									8.9	4.5	4.0
290-310	5.1	3.9	.5									9.5	4.7	4.0
320-340	4.6	4.6	.5									9.6	5.0	5.0
VARIABLE	.2	.9	.5									1.6	8.8	8.0
CALM	////////////////////////////////////											20.5	////////	
TOTALS	46.3	29.8	3.7									100.0	3.6	4.0

TOTAL NUMBER OF OBSERVATIONS 571

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUL HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.3	.3										2.6	2.6	2.0
020-040	2.3	.3										2.6	2.4	2.0
050-070	4.3	.3										4.6	2.6	2.0
(E) 080-100	.6											.6	2.0	2.0
110-130	.9											.9	2.7	3.0
140-160	1.4											1.4	2.6	2.0
(S) 170-190	2.6	.6										3.2	3.2	3.0
200-220	2.6	2.0	.6									5.2	4.9	4.5
230-250	3.7	1.4	.3									5.5	4.4	4.0
(W) 260-280	4.9	1.4										6.3	3.1	3.0
290-310	4.3	1.4										5.7	3.4	2.5
320-340	4.0	1.7										5.7	3.4	3.0
VARIABLE		1.1	.6	.3								2.0	9.9	9.0
CALM	////////////////////////////////////											53.7	////////	
TOTALS	33.9	10.5	1.5	.3								100.0	1.7	3.0

TOTAL NUMBER OF OBSERVATIONS 348

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUL HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.3	1.9	.0									6.2	3.8	3.0
020-040	2.9	1.0	.0									3.9	3.6	3.0
050-070	2.7	1.0										3.8	3.6	4.0
(E) 080-100	2.1	1.6	.1									3.7	4.3	4.0
110-130	1.6	1.3										2.8	4.2	4.0
140-160	2.1	1.7	.1									3.9	4.1	4.0
(S) 170-190	3.6	2.0	.1									5.6	4.0	4.0
200-220	3.6	4.0	.9	.1								8.6	5.6	5.0
230-250	3.8	5.6	1.1	.1								10.7	5.8	5.0
(W) 260-280	4.0	3.0	.5	.0								7.5	4.6	4.0
290-310	4.3	3.2	.4									7.8	4.6	4.0
320-340	5.5	4.6	.2									10.2	4.4	4.0
VARIABLE	.0	3.1	1.2	.1								4.5	8.8	8.0
CALM	////////////////////////////////////											20.7	////////	
TOTALS	40.5	34.0	4.6	.3								100.0	3.8	4.0

TOTAL NUMBER OF OBSERVATIONS 3460

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUL HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 55			
(W) 350-010	2.1											2.1	1.5	1.5
020-040	2.1											2.1	1.5	1.5
050-070	2.1											2.1	3.5	3.5
(E) 080-100														
110-130	1.0											1.0	2.0	2.0
140-160	2.1	3.1										5.2	4.8	6.0
(S) 170-190	8.2											8.2	1.8	2.0
200-220	6.2	7.2	1.0									14.4	5.0	6.0
230-250	5.2	5.2										10.3	4.7	4.5
(W) 260-280	2.1	3.1										5.2	4.8	6.0
290-310	3.1											3.1	2.3	2.0
320-340	1.0	1.0										2.1	4.5	4.5
VARIABLE														
CALM	////////////////////////////////////											44.3	////////////////////////////////	
TOTALS	35.2	19.6	1.0									100.0	2.2	3.0

TOTAL NUMBER OF OBSERVATIONS 97

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: AUG HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.4	.7										3.1	2.5	2.0
020-040	2.4											2.4	2.3	2.0
050-070	2.2	.3										2.5	2.2	2.0
(E) 080-100	1.2											1.2	1.8	2.0
110-130	1.6											1.6	1.5	1.0
140-160	2.4	.4										2.8	2.6	2.0
(S) 170-190	3.4	.3										3.7	2.5	2.0
200-220	3.7	3.9	.6									8.2	4.9	5.0
230-250	3.3	2.1	.1									5.5	3.8	4.0
(W) 260-280	2.8	.4	.1									3.4	3.3	2.0
290-310	1.9	.6										2.5	3.6	4.0
320-340	4.2	1.3										5.5	3.4	3.0
VARIABLE		.4	.1	.1								.7	10.8	9.0
CALM	////////////////////////////////////											56.4	////////////////////////////////	
TOTALS	31.5	10.4	.9	.1								100.0	1.5	3.0

TOTAL NUMBER OF OBSERVATIONS 667

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: AUG HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(W) 350-010	3.0	1.5										4.5	3.6	3.0
020-040	2.8	1.0										3.9	3.4	3.0
050-070	2.4	.7										3.1	3.2	3.0
(E) 080-100	1.9	.4										2.2	2.9	3.0
110-130	2.5	.6										3.1	3.0	3.0
140-160	4.0	.7	.1									4.9	3.0	2.0
(S) 170-190	5.5	1.6	.1									7.3	3.3	3.0
200-220	5.4	5.7	.9	.1								12.1	5.1	5.0
230-250	7.0	6.3	.9									14.2	4.9	5.0
(W) 260-280	3.6	1.3	.4									5.4	4.2	3.5
290-310	3.6	1.9	.1									5.7	3.9	4.0
320-340	5.4	2.1										7.5	3.3	3.0
VARIABLE		3.1	1.5									4.6	8.9	8.0
CALM	////////////////////////////////////											21.6	////////	
TOTALS	47.0	26.9	4.0	.1								100.0	3.4	4.0

TOTAL NUMBER OF OBSERVATIONS 671

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: AUG HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.4	1.9	.1									4.5	4.5	4.0
020-040	1.0	1.0	.1									2.2	4.8	5.0
050-070	1.9	2.4										4.3	4.4	5.0
(E) 080-100	4.0	1.2										5.2	3.6	4.0
110-130	1.3	2.4										3.7	5.1	5.0
140-160	3.4	1.3	.3									5.0	4.1	3.5
(S) 170-190	3.0	1.9	.3									5.2	4.3	4.0
200-220	3.9	7.1	2.7									13.6	6.5	6.5
230-250	5.9	8.5	1.6									16.0	5.6	6.0
(W) 280-280	6.5	4.6	.4									11.6	4.4	4.0
290-310	4.3	1.6	.3									6.2	3.9	3.0
320-340	4.6	1.8	.3									6.7	3.8	4.0
VARIABLE		5.8	1.8	.1								7.7	8.8	8.0
CALM	////////////////////											8.0	////////	
TOTALS	42.2	41.5	7.9	.1								100.0	4.8	5.0

TOTAL NUMBER OF OBSERVATIONS 674

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: AUG HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(W) 350-010	3.7	1.6	.5									5.8	4.4	4.0
020-040	3.1	2.6	.2									5.9	4.8	4.0
050-070	2.3	.8	.3									3.4	4.1	4.0
(E) 080-100	2.2	2.6										4.8	4.4	5.0
110-130	2.5	1.7										4.2	3.7	3.0
140-160	2.6	2.3										5.0	4.2	4.0
(S) 170-190	2.2	2.0	.2									4.4	4.6	4.5
200-220	2.5	7.2	2.5	.2								12.3	6.7	6.0
230-250	5.0	9.2	1.4	.2								15.7	5.9	6.0
(W) 260-280	5.1	4.7	.2									10.0	4.3	4.0
290-310	6.1	3.1	.2									9.3	3.7	3.5
320-340	5.0	1.9	.2	.2								7.2	4.0	4.0
VARIABLE		2.5	2.2	.2								4.8	9.6	9.0
CALM	////////////////////////////////////											7.3	////////////////////////////////	
TOTALS	42.3	42.2	7.9	.8								100.0	4.7	5.0

TOTAL NUMBER OF OBSERVATIONS 643

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: AUG HOURS: 18-20

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	4.5	1.5										5.9	3.5	2.0
020-040	2.6	2.8	.2									5.6	4.3	5.0
050-070	3.2	1.3										4.5	3.5	3.0
(E) 080-100	2.8	.6										3.3	3.3	3.0
110-130	2.8	.2										3.0	2.8	2.0
140-160	2.4	.9										3.3	3.6	3.5
(S) 170-190	3.0	.7	.4									4.1	3.5	3.0
200-220	1.9	3.7	1.5									7.1	6.8	7.0
230-250	3.9	4.3	1.9									10.0	5.6	5.0
(W) 260-280	5.8	1.5										7.2	3.2	3.0
290-310	4.1	1.9										5.9	3.3	3.0
320-340	2.4	1.9	.2									4.5	4.2	4.0
VARIABLE		1.7	.7	.2								2.6	9.2	8.5
CALM	////////////////////////////////////											32.9	////////////////////////////////	
TOTALS	39.4	23.0	4.9	.2								100.0	3.0	4.0

TOTAL NUMBER OF OBSERVATIONS 538

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: AUG HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.3											2.3	1.7	2.0
020-040	3.7	.7										4.3	2.8	2.0
050-070	6.4	1.0										7.4	3.2	3.0
(E) 080-100	1.3	.7										2.0	3.8	3.5
110-130	.3											.3	1.0	1.0
140-160	2.0											2.0	2.8	3.0
(S) 170-190	2.3	1.0										3.3	4.1	4.0
200-220	4.7	1.3	.3									6.4	4.1	3.0
230-250	2.3	2.7	.3									5.4	5.1	5.0
(W) 260-280	3.7	2.0										5.7	3.5	3.0
290-310	2.3	1.0										3.3	3.5	3.5
320-340	1.3	.3										1.7	3.0	3.0
VARIABLE		.3										.3	8.0	8.0
CALM	////////////////////////////////////											55.5	////////	
TOTALS	32.6	11.0	.6									100.0	1.6	3.0

TOTAL NUMBER OF OBSERVATIONS 299

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: BAHAMU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: AUG HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(W) 350-010	3.1	1.3	.1									4.5	3.7	3.0
020-040	2.5	1.4	.1									4.0	4.0	4.0
050-070	2.7	1.1	.1									3.9	3.6	3.0
(E) 080-100	2.3	.9										3.2	3.5	4.0
110-130	2.0	.9										2.9	3.5	3.0
140-160	2.9	1.1	.1									4.1	3.6	3.0
(S) 170-190	3.4	1.3	.2									4.8	3.7	3.0
200-220	3.6	5.2	1.5	.1								10.4	5.9	6.0
230-250	4.8	5.8	1.1	.0								11.8	5.3	5.0
(W) 260-280	4.6	2.5	.2									7.4	4.0	4.0
290-310	3.8	1.7	.1									5.7	3.7	3.0
320-340	4.1	1.7	.1	.0								5.9	3.7	3.0
VARIABLE		2.5	1.2	.1								3.8	9.1	8.0
CALM	////////////////////////////////////											27.6	////////////////////////////////	
TOTALS	39.8	27.4	4.8	.2								100.0	3.3	4.0

TOTAL NUMBER OF OBSERVATIONS 3492

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: AUG HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.6	.5										2.2	3.0	3.0
020-040	3.3	.5										3.8	2.3	2.0
050-070	1.6											1.6	2.3	2.0
(E) 080-100														
110-130	1.1											1.1	2.0	2.0
140-160	3.8											3.8	1.7	1.0
(S) 170-190	7.6	.5										8.2	2.9	2.0
200-220	7.1	4.9	.5									12.5	4.3	4.0
230-250	4.9	1.6										6.5	3.4	3.0
(W) 260-280	2.2	1.1										3.3	3.3	3.0
290-310	2.2	1.6										3.8	4.3	4.0
320-340	4.3	.5										4.9	2.4	2.0
VARIABLE														
CALM	////////////////////////////////////											48.4	////////////////////////////////	
TOTALS	39.7	11.2	.5									100.0	1.7	2.0

TOTAL NUMBER OF OBSERVATIONS 184

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: SEP HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.0	.5										2.5	3.1	3.0
020-040	1.9	.2										2.0	2.5	2.0
050-070	2.2	.2										2.3	2.3	2.0
(E) 080-100	1.2	.2										1.4	2.1	2.0
110-130	1.4	.2										1.5	2.8	2.0
140-160	3.1	.6										3.7	2.9	3.0
(S) 170-190	5.3	1.7										7.0	3.4	3.0
200-220	4.8	5.7	1.2									11.8	5.6	6.0
230-250	2.2	2.6										4.8	4.7	5.0
(W) 260-280	.8	.8	.2									1.7	5.1	6.0
290-310	.9		.2									1.1	3.4	2.0
320-340	2.3	1.7	.2									4.2	4.3	4.0
VARIABLE		.9	.3	.2								1.4	9.8	9.0
CALM	////////////////////////////////////											54.6	////////////////////////////////	
TOTALS	29.1	15.3	2.1	.2								100.0	1.9	4.0

TOTAL NUMBER OF OBSERVATIONS 646

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: SEP HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.1	2.6	.2									5.8	4.4	4.0
020-040	2.3	.6										2.9	2.8	2.0
050-070	3.4	1.1	.2									4.6	3.5	2.0
(E) 080-100	2.8	.8	.2									3.7	3.3	2.0
110-130	1.8	.6	.2									2.6	3.3	2.0
140-160	4.1	1.5										5.7	3.8	3.0
(S) 170-190	5.5	3.7	.2									9.3	4.3	4.0
200-220	5.1	7.5	3.4	.2								16.1	6.6	6.0
230-250	4.4	5.4	1.2	.3	.2							11.5	5.9	6.0
(W) 260-280	1.2	.6	.8									2.6	6.1	7.0
290-310	2.5	1.4	.2									4.0	3.8	3.0
320-340	4.6	1.5	.2									6.3	3.9	4.0
VARIABLE		2.5	1.4	.2								4.0	9.6	8.0
CALM	////////////////////////////////////											21.0	////////////////////////////////	
TOTALS	40.8	29.8	8.2	.7	.2							100.0	4.0	4.0
TOTAL NUMBER OF OBSERVATIONS 653														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: SEP HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(W) 350-010	2.3	2.0	.2									4.4	4.5	4.0
020-040	2.1	1.7	.2									4.0	4.5	4.0
050-070	2.0	1.1										3.0	3.5	4.0
(E) 080-100	2.0	1.4	.2									3.5	3.9	4.0
110-130	1.8	1.5										3.4	4.1	4.0
140-160	3.7	1.4	.2									5.2	4.0	4.0
(S) 170-190	4.4	2.6	1.1									8.1	5.2	4.0
200-220	3.7	8.5	4.3	.2								16.6	7.3	8.0
230-250	5.8	7.2	2.3	.3	.2							15.7	6.2	6.0
(W) 260-280	2.3	2.3	1.1									5.6	5.9	6.0
290-310	3.5	1.7										5.2	3.9	4.0
320-340	4.9	2.6	.8									8.2	4.5	4.0
VARIABLE		4.7	3.7	.5								8.8	9.6	9.0
CALM	////////////////////////////////////											8.2	////////	
TOTALS	38.5	38.7	14.1	1.0	.2							100.0	5.3	5.0
TOTAL NUMBER OF OBSERVATIONS 656														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: SEP HOURS: 15-17

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL &	MEAN WIND	MEDIAN WIND
(N) 350-010	3.7	1.8	.2									5.7	4.0	4.0
020-040	4.0	2.5	.5									7.0	4.7	4.0
050-070	1.2	1.3										2.5	4.3	5.0
(E) 080-100	2.2	1.2										3.3	3.8	3.5
110-130	2.3	.2										2.5	2.5	2.0
140-160	3.0	2.0										5.0	4.1	4.0
(S) 170-190	3.5	3.3	.2									7.0	4.8	4.5
200-220	3.3	6.4	3.3									13.0	6.9	6.5
230-250	4.0	7.4	2.8	.2								14.4	6.6	6.0
(W) 260-280	3.3	5.0	.7									9.0	5.2	5.0
290-310	5.4	2.2	.2									7.7	4.0	4.0
320-340	4.8	1.8	.2									6.9	3.6	3.0
VARIABLE		2.3	2.7									5.0	9.8	10.0
CALM	////////////////////////////////////											10.9	////////	
TOTALS	40.7	37.4	10.8	.2								100.0	4.8	5.0

TOTAL NUMBER OF OBSERVATIONS 598

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: SEP HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.7	.6										4.3	3.0	2.0
020-040	2.7	1.4										4.1	3.6	3.5
050-070	2.5	.2										2.7	2.8	3.0
(E) 080-100	2.1	.2										2.3	2.5	2.0
110-130	.6											.6	1.3	1.0
140-160	3.7	1.2										5.0	3.8	3.0
(S) 170-190	5.4	1.2	.2									6.8	3.3	3.0
200-220	4.1	6.0	.6									10.7	5.3	5.0
230-250	3.3	3.3	1.9									8.5	6.1	6.0
(W) 260-280	4.3	1.2										5.6	3.3	3.0
290-310	2.9	.8	.4									4.1	4.4	4.0
320-340	3.3	1.4	.2									5.0	3.8	3.5
VARIABLE		.8		.2								1.0	8.8	8.0
CALM	////////////////////////////////////											39.3	////////////////////////////////	
TOTALS	38.6	18.3	3.3	.2								100.0	2.6	4.0
TOTAL NUMBER OF OBSERVATIONS 464														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: SEP HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.7	1.0										2.8	4.0	3.0
020-040	1.0											1.0	1.7	2.0
050-070	4.1	.7										4.8	3.0	3.0
(E) 080-100	1.0											1.0	2.0	2.0
110-130	.7											.7	2.0	2.0
140-160	3.4	1.0										4.5	3.2	2.0
(S) 170-190	6.9	1.7										8.6	3.4	3.0
200-220	4.5	5.9	1.7									12.1	5.7	6.0
230-250	3.1	2.8										5.9	4.9	4.0
(W) 260-280	2.4	.7										3.1	3.8	4.0
290-310	.3	.7										1.0	4.0	5.0
320-340	1.0	1.7										2.8	4.6	5.0
VARIABLE		.3	.3									.7	9.5	9.5
CALM	////////////////////////////////////											51.0	////////////////////////////////	
TOTALS	30.1	16.5	2.0									100.0	2.1	4.0

TOTAL NUMBER OF OBSERVATIONS 290

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: SEP HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.8	1.5	.1									4.4	4.0	4.0
020-040	2.4	1.1	.1									3.7	3.9	4.0
050-070	2.4	.8	.0									3.2	3.3	3.0
(E) 080-100	2.0	.7	.1									2.7	3.3	2.5
110-130	1.6	.5	.0									2.1	3.2	2.0
140-160	3.5	1.3	.0									4.9	3.7	3.0
(S) 170-190	5.0	2.5	.3									7.8	4.2	4.0
200-220	4.2	6.8	2.6	.1								13.7	6.4	6.0
230-250	3.9	5.0	1.5	.2	.1							10.6	6.1	6.0
(W) 260-280	2.3	1.9	.5									4.7	5.1	5.0
290-310	2.8	1.2	.2									4.1	4.0	4.0
320-340	3.8	1.8	.3									5.9	4.1	4.0
VARIABLE		2.2	1.6	.2								3.9	9.6	9.0
CALM	////////////////////											28.5	////////	
TOTALS	36.7	27.3	7.3	.5	.1							100.0	3.6	4.0

TOTAL NUMBER OF OBSERVATIONS 3327

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: SEP HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

		WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN
DIRECTION	(DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(W) 350-010		3.1	1.4									4.5	4.0	4.0
020-040		2.7	1.7									4.5	3.7	4.0
050-070		.3	.3									.7	3.0	3.0
(E) 080-100		1.4										1.4	2.0	2.0
110-130		.7										.7	2.0	2.0
140-160		4.5	1.4									5.8	3.5	3.0
(S) 170-190		3.8	2.4									6.2	4.2	4.0
200-220		3.8	2.1	1.0								6.9	4.6	3.5
230-250		2.4										2.4	2.3	2.0
(W) 260-280		1.0										1.0	2.3	2.0
290-310		1.7										1.7	2.4	2.0
320-340		4.1	1.7	.3								6.2	3.6	3.0
VARIABLE														
CALM		////////////////////										58.1	////////	
TOTALS		29.5	11.0	1.3								100.0	1.5	3.0

TOTAL NUMBER OF OBSERVATIONS 291

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: OCT HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.9	.2										1.1	2.8	2.0
020-040	1.1											1.1	1.7	2.0
050-070	3.4	.6										4.0	3.3	3.0
(E) 080-100	3.6	.4										4.0	3.0	3.0
110-130	3.2	.4										3.6	2.4	2.0
140-160	3.4	1.5	.8									5.7	4.6	4.0
(S) 170-190	4.9	3.2	.4									8.5	4.6	4.0
200-220	4.3	5.8	1.7	.6								12.5	6.1	6.0
230-250	.9	1.5	.8									3.2	6.7	6.0
(W) 260-280	1.3	.2										1.5	2.9	2.0
290-310	.9	.8										1.7	4.0	4.0
320-340	1.3	.2										1.5	2.1	2.0
VARIABLE		.8	.4									1.1	8.7	8.0
CALM	////////////////////////////////////											50.6	////////	
TOTALS	29.2	15.6	4.1	.6								100.0	2.3	4.0

TOTAL NUMBER OF OBSERVATIONS 530

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: OCT HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(W) 350-010	1.6	.6										2.2	3.4	2.5
020-040	1.8	.2										1.9	3.1	3.0
050-070	3.3	2.4	.2									5.9	4.1	4.0
(E) 080-100	3.5	1.4										4.9	3.4	3.0
110-130	4.6	1.4										6.1	3.1	2.5
140-160	4.6	4.1										8.8	4.2	4.0
(S) 170-190	5.7	4.6	.2									10.5	4.5	4.0
200-220	5.4	8.1	4.8	.2								18.5	6.9	7.0
230-250	1.8	2.7	2.2									6.7	7.2	8.0
(W) 260-280	.8	.5	.2									1.4	4.1	2.0
290-310	.3	.6										1.0	4.2	5.0
320-340	2.2	1.1	.2									3.5	4.2	3.0
VARIABLE		2.7	2.1		.2							4.9	9.9	9.0
CALM	////////////////////											23.7	////////	
TOTALS	35.6	30.4	9.9	.2	.2							100.0	4.0	5.0

TOTAL NUMBER OF OBSERVATIONS 628

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: OCT HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL &	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.1	1.4										3.5	3.9	3.0
020-040	1.1	1.0										2.1	4.0	4.0
050-070	1.4	1.8										3.2	4.9	5.0
(E) 080-100	3.0	3.0										6.1	4.3	4.5
110-130	3.2	3.4	.2									6.7	4.7	5.0
140-160	4.6	4.8	.3									9.8	4.6	5.0
(S) 170-190	4.5	3.5	.6									8.7	4.9	4.0
200-220	4.0	9.8	5.4	.6								19.9	7.6	7.0
230-250	5.1	4.6	2.9	.2								12.8	6.3	5.0
(W) 260-280	1.4	1.8	.5									3.7	5.2	5.0
290-310	1.0	.3	.2									1.4	4.6	4.0
320-340	2.2	1.3										3.5	3.8	2.5
VARIABLE		5.0	2.6	.5	.2							8.2	9.5	8.0
CALM	////////////////////											10.4	////////	
TOTALS	33.6	41.7	12.7	1.3	.2							100.0	5.3	5.0
TOTAL NUMBER OF OBSERVATIONS 624														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: OCT HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.3	1.3	.3									2.9	5.2	5.5
020-040	1.4	.6										2.1	3.7	4.0
050-070	1.8	1.8	.2									3.7	4.7	5.0
(E) 080-100	5.1	2.1	.2									7.4	3.7	4.0
110-130	3.7	1.9	.2									5.8	3.7	3.0
140-160	6.7	2.7										9.5	3.7	4.0
(S) 170-190	4.5	3.2	.3									8.0	4.6	4.0
200-220	4.8	9.6	3.7	.3								18.5	6.7	6.0
230-250	3.7	4.8	2.1									10.6	6.2	6.0
(W) 260-280	1.8	2.2										4.0	4.7	5.0
290-310	1.9	.8										2.7	3.5	4.0
320-340	1.1	1.3										2.4	4.7	5.0
VARIABLE		2.2	2.1	.3	.2							4.8	10.6	10.0
CALM	////////////////////											17.7	////////	
TOTALS	37.8	34.5	9.1	.6	.2							100.0	4.4	5.0
TOTAL NUMBER OF OBSERVATIONS 623														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: OCT HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.1	.2										2.3	2.9	3.0
020-040	2.3	.2										2.5	2.8	2.0
050-070	3.5	.4										3.9	2.6	2.0
(E) 080-100	3.9	.8										4.7	2.9	2.5
110-130	2.3	.2										2.5	2.8	2.0
140-160	3.3	2.3	.2									5.9	4.1	3.5
(S) 170-190	3.1	2.3										5.5	4.3	4.0
200-220	3.5	9.6	2.5	.2								15.8	6.8	7.0
230-250	2.1	2.7	1.2									6.1	5.9	6.0
(W) 260-280	1.8	1.4	.4	.2								3.7	5.4	5.0
290-310	.8	.2	.2									1.2	4.7	4.0
320-340	.8	1.6	.2									2.5	5.1	5.0
VARIABLE		.2	.8									1.0	11.2	12.0
CALM	////////////////////////////////////											42.4	////////	
TOTALS	29.5	22.1	5.5	.4								100.0	2.8	4.0

TOTAL NUMBER OF OBSERVATIONS 512

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: OCT HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.3	.3										.7	3.5	3.5
020-040	1.0	.3										1.4	3.8	3.0
050-070	3.8											3.8	2.5	2.0
(E) 080-100	2.4	.7										3.1	3.1	3.0
110-130	1.4	1.0										2.4	4.3	4.0
140-160	2.4	2.4										4.9	5.0	4.5
(S) 170-190	4.2	2.8										6.9	4.4	4.0
200-220	2.1	7.3	1.4	.3								11.1	6.7	6.0
230-250	1.4	2.8	.7									4.9	5.9	5.5
(W) 260-280	1.7	1.7		.3								3.8	5.0	5.0
290-310	1.4	.3										1.7	3.4	4.0
320-340	.7	.3	.3									1.4	5.8	5.5
VARIABLE		1.0										1.0	7.3	7.0
CALM	////////////////////////////////////											52.8	////////////////////////////////	
TOTALS	22.8	20.9	2.4	.6								100.0	2.4	5.0

TOTAL NUMBER OF OBSERVATIONS 288

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: OCT HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.5	.7	.1									2.3	3.9	3.0
020-040	1.5	.4										1.9	3.2	3.0
050-070	2.7	1.3	.1									4.1	3.8	3.0
(E) 080-100	3.7	1.5	.0									5.3	3.6	3.0
110-130	3.3	1.5	.1									4.8	3.6	3.0
140-160	4.4	3.1	.2									7.8	4.3	4.0
(S) 170-190	4.6	3.4	.3									8.2	4.6	4.0
200-220	4.2	8.5	3.5	.4								16.7	6.9	7.0
230-250	2.7	3.3	1.8	.0								7.8	6.4	6.0
(W) 260-280	1.4	1.3	.2	.1								3.0	4.8	5.0
290-310	1.0	.5	.1									1.6	4.0	4.0
320-340	1.5	1.0	.1									2.6	4.2	4.0
VARIABLE		2.2	1.5	.2	.1							3.9	9.8	9.0
CALM	////////////////////////////////////											30.0	////////	////////
TOTALS	32.5	28.7	8.0	.7	.1							100.0	3.7	5.0

TOTAL NUMBER OF OBSERVATIONS 3205

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: OCT HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.3	.4										1.7	3.2	2.0
020-040	1.5	.8										2.3	3.8	3.5
050-070	1.5	.4										1.9	2.8	2.5
(E) 080-100	1.9	1.0										2.9	3.5	3.0
110-130	4.0	.4										4.4	2.3	2.0
140-160	5.7	1.0										6.7	2.9	3.0
(S) 170-190	5.0	1.1										7.1	3.7	3.0
200-220	4.6	8.0	2.5	1.1								16.2	7.2	7.0
230-250	1.9	1.5	.6									4.0	5.6	5.0
(W) 260-280	.6											.6	1.3	1.0
290-310	.8	.2										1.0	2.4	2.0
320-340	2.5	.8	.2									3.4	3.8	2.0
VARIABLE														
CALM	////////////////////////////////////											47.9	////////////////////////////////	
TOTALS	31.3	16.6	3.3	1.1								100.0	2.4	4.0

TOTAL NUMBER OF OBSERVATIONS 524

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: NOV HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.5	1.0	.6									4.2	4.4	2.0
020-040	2.1	1.5	.2									3.8	4.5	3.0
050-070	2.9											2.9	2.6	2.0
(E) 080-100	2.7	.4										3.1	2.6	2.0
110-130	1.7	.2										1.9	3.0	2.0
140-160	4.4	1.3										5.6	3.2	2.0
(S) 170-190	4.8	4.0										8.8	4.5	4.0
200-220	2.9	7.3	1.5	.4								12.1	6.6	6.0
230-250	3.3	1.5	.4	.2								5.4	4.6	4.0
(W) 260-280	1.7	1.3	.2									3.1	4.5	4.0
290-310	1.0	.6	.2									1.9	5.6	4.0
320-340	2.5	.2										2.7	2.6	2.0
VARIABLE		.2										.2	9.0	9.0
CALM	////////////////////////////////////											44.3	////////////////////////////////	
TOTALS	32.5	19.5	3.1	.6								100.0	2.5	4.0

TOTAL NUMBER OF OBSERVATIONS 479

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: NOV HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(W) 350-010	2.4	1.6	.3									4.3	4.5	4.0
020-040	1.4	1.4	.5									3.3	5.7	5.0
050-070	3.8	1.7										5.5	3.7	3.0
(E) 080-100	3.3	.7										4.0	2.8	2.0
110-130	2.1	.7										2.8	3.3	2.0
140-160	5.4	1.9										7.3	3.4	3.0
(S) 170-190	6.7	4.0	.2	.2								11.1	4.4	4.0
200-220	3.8	4.8	3.3	.3								12.3	6.9	7.0
230-250	3.3	3.8	.9									7.9	5.4	5.5
(W) 260-280	.7	.9										1.6	5.0	5.0
290-310	1.4	1.2	.2									2.8	4.9	4.5
320-340	2.8	1.4	.2									4.3	3.8	3.0
VARIABLE		1.6	1.0									2.6	8.8	8.0
CALM	////////////////////////////////////											30.4	////////////////////////////////	
TOTALS	37.1	25.7	6.6	.5								100.0	3.4	4.0

TOTAL NUMBER OF OBSERVATIONS 579

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: NOV HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.9	2.6	.9									4.3	7.3	7.0
020-040	1.9	1.9	1.0									4.8	5.9	6.0
050-070	2.6	1.9	.2									4.7	4.7	4.0
(E) 080-100	2.4	2.1										4.5	4.4	4.0
110-130	2.2	2.2										4.5	4.2	4.5
140-160	3.3	3.6										6.9	4.5	5.0
(S) 170-190	5.7	4.0	.7									10.4	4.7	4.0
200-220	4.7	7.6	4.7	.7								17.6	7.3	7.5
230-250	3.1	4.3	2.4	.2								10.0	7.0	7.0
(W) 260-280	1.4	1.6	.3									3.3	5.2	6.0
290-310	2.1	1.2	.2									3.5	3.8	2.0
320-340	3.8	2.6	.2									6.6	4.4	4.0
VARIABLE		1.9	1.7									3.6	9.1	9.0
CALM	////////////////////////////////////											15.4	////////	
TOTALS	34.1	37.5	12.3	.9								100.0	4.9	6.0

TOTAL NUMBER OF OBSERVATIONS 579

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANA' AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: NOV HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.6	2.6	.5									4.7	5.7	5.0
020-040	2.6	2.3	.7									5.6	5.3	5.0
050-070	2.1	2.1	.3									4.5	4.9	5.0
(E) 080-100	3.1	1.7										4.9	3.9	3.0
110-130	4.2	1.7										5.9	3.7	3.0
140-160	3.5	3.5	.2									7.1	4.2	5.0
(S) 170-190	5.6	2.6	.7									8.9	4.3	4.0
200-220	4.4	7.7	2.1	.3								14.5	6.4	7.0
230-250	4.0	5.6	1.6	.2								11.3	6.0	6.0
(W) 260-280	1.7	3.1	.2									5.1	5.4	6.0
290-310	1.6	1.6										3.1	4.9	4.5
320-340	3.3	1.2	.2									4.7	3.6	3.0
VARIABLE		1.0	.3	.2								1.6	9.3	7.0
CALM	////////////////////											18.1	////////////////	
TOTALS	37.7	36.7	6.8	.7								100.0	4.2	5.0
TOTAL NUMBER OF OBSERVATIONS 574														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: NOV HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(#) 350-010	2.1	1.9		.2								4.2	5.4	4.5
020-040	2.9	2.1	.6									5.7	5.3	4.0
050-070	4.4	1.0										5.5	3.3	3.0
(E) 080-100	4.0	.4										4.4	2.7	3.0
110-130	1.7	.4										2.1	3.3	3.0
140-160	2.9	2.7	.2									5.9	4.7	4.5
(S) 170-190	6.3	1.5										7.8	3.1	2.0
200-220	4.0	6.7	2.3	.4								13.4	6.7	6.0
230-250	2.3	6.3	.8									9.4	6.0	6.0
(W) 260-280	1.7	2.3	.2									4.2	5.0	5.0
290-310	1.3	.4										1.7	3.1	3.0
320-340	1.3	.2										1.5	3.4	3.0
VARIABLE		.2	.2									.4	8.5	8.5
CALM	////////////////////////////////////											34.0	////////	
TOTALS	34.9	26.1	4.3	.6								100.0	3.2	4.0

TOTAL NUMBER OF OBSERVATIONS 477

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: NOV HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.8	1.6										2.3	4.7	5.0
020-040	3.1	1.9	.4	.4								5.8	6.1	4.0
050-070	3.5	.4										3.9	3.1	2.0
(E) 080-100	2.3	.8										3.1	3.0	2.5
110-130	.4											.4	3.0	3.0
140-160	3.5	2.3										5.8	3.5	3.0
(S) 170-190	3.1	1.6										4.7	3.0	2.5
200-220	4.7	6.2	2.3									13.2	6.5	7.0
230-250	3.1	4.3	.8									8.1	5.5	5.0
(W) 260-280	1.6	.4	.8									2.7	5.6	4.0
290-310	1.2	1.2										2.3	3.8	4.5
320-340	1.6	.8	.4									2.7	4.9	4.0
VARIABLE			.4									.4	12.0	12.0
CALM	////////////////////////////////////											44.6	////////	
TOTALS	28.9	21.5	5.1	.4								100.0	2.8	4.0
TOTAL NUMBER OF OBSERVATIONS 258														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: NOV HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.8	1.9	.4	.0								4.2	5.5	5.0
020-040	2.2	1.8	.6	.0								4.7	5.5	5.0
050-070	3.2	1.3	.1									4.6	3.9	3.0
(E) 080-100	3.0	1.1										4.1	3.4	3.0
110-130	2.2	1.0										3.3	3.6	3.0
140-160	3.9	2.6	.1									6.6	4.0	4.0
(S) 170-190	5.6	3.1	.3	.0								9.0	4.2	4.0
200-220	4.0	6.8	2.8	.4								14.0	6.8	7.0
230-250	3.2	4.3	1.2	.1								8.9	5.9	6.0
(W) 260-280	1.4	1.7	.2									3.4	5.1	5.0
290-310	1.5	1.1	.1									2.6	4.4	4.0
320-340	2.7	1.2	.1									4.0	3.9	3.0
VARIABLE		1.0	.7	.0								1.7	9.1	9.0
CALM	////////////////////											29.1	////////	
TOTALS	34.7	28.9	6.6	.5								100.0	3.6	5.0

TOTAL NUMBER OF OBSERVATIONS 2946

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: NOV HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.4	.6										2.0	3.6	3.0
020-040	1.4	1.0	.1									2.6	4.9	3.0
050-070	2.7	.1										2.9	2.4	2.0
(E) 080-100	2.3	.4										2.7	2.9	3.0
110-130	3.0	.7										3.8	2.9	2.0
140-160	7.7	2.0										9.7	2.9	2.0
(S) 170-190	9.6	2.5										12.0	3.2	3.0
200-220	5.8	5.8	1.7	.6								13.9	5.9	5.0
230-250	2.3	1.0										3.3	3.6	3.0
(W) 260-280	1.0											1.0	1.9	2.0
290-310	1.3	.1										1.4	2.1	2.0
320-340	3.0	.4										3.5	2.6	2.0
VARIABLE														
CALM	////////////////////											41.1	////////	
TOTALS	41.5	14.6	1.8	.6								100.0	2.2	3.0

TOTAL NUMBER OF OBSERVATIONS 691

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: DEC HOURS: 06-08

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(W) 350-010	2.3	.8	.2									3.3	3.8	2.5
020-040	.6	1.0	.2									1.9	5.3	6.0
050-070	2.3	.8										3.1	3.5	3.0
(E) 080-100	1.9	1.2										3.1	3.9	4.0
110-130	1.9	.2										2.1	3.3	3.5
140-160	4.8	1.9										6.6	3.5	3.0
(S) 170-190	4.8	3.3	.2									8.3	4.2	4.0
200-220	1.9	10.8	5.6	.8	.2							19.3	8.5	8.0
230-250	1.2	2.3	2.9	1.0								7.5	9.3	10.0
(W) 260-280	2.3	.8	.4									3.5	4.7	4.0
290-310	.6	.2	.2									1.0	5.6	4.0
320-340	2.7	1.0										3.7	3.6	3.0
VARIABLE	1.0											1.0	11.2	12.0
CALM	////////////////////											35.6	////////	
TOTALS	27.3	24.3	10.7	1.8	.2							100.0	3.9	5.0

TOTAL NUMBER OF OBSERVATIONS 483

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: DEC HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	2.1	.8										2.9	3.2	2.5
020-040	1.5	1.1										2.6	4.9	4.0
050-070	2.6	2.1										4.7	3.9	4.0
(E) 080-100	2.3	.8										3.1	3.5	3.0
110-130	2.6	1.1										3.7	3.7	3.0
140-160	4.7	2.1	.2									6.9	4.0	3.0
(S) 170-190	4.0	2.9	.3									7.3	4.6	4.0
200-220	5.5	7.4	6.8	.3								20.0	7.5	8.0
230-250	2.1	3.7	2.7	.5	.3		.2					9.5	8.7	8.0
(W) 260-280	.6	1.3	.5									2.4	6.2	5.0
290-310	.6	.3	.3									1.3	6.4	4.5
320-340	2.3	.8										3.1	3.7	4.0
VARIABLE		1.0	1.3	.2								2.4	11.0	12.0
CALM	////////////////////////////////////											30.2	////////	
TOTALS	30.9	25.4	12.1	1.0	.3		.2					100.0	4.2	5.0

TOTAL NUMBER OF OBSERVATIONS 620

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: DEC HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(W) 350-010	2.6	2.5										5.1	4.5	4.0
020-040	2.0	.8	.2									3.0	3.8	3.0
050-070	3.6	2.5	.2									6.3	4.4	4.0
(E) 080-100	2.0	2.0										4.0	4.7	4.5
110-130	2.6	1.6										4.3	4.0	4.0
140-160	6.1	2.3										8.4	3.5	3.0
(S) 170-190	4.0	2.1	.8									6.9	5.0	4.0
200-220	4.0	8.6	8.1	.3	.2							21.1	8.1	8.0
230-250	2.5	4.1	4.9	.5								12.0	8.1	8.0
(W) 260-280	.7	1.3	.8	.2								3.0	7.8	8.0
290-310	1.5	1.0	.7	.2								3.3	6.1	6.0
320-340	1.6	2.3										4.0	4.9	5.0
VARIABLE		1.6	2.0	.3								4.0	10.6	10.0
CALM	////////////////////////////////////											14.8	////////////////////////////////	
TOTALS	33.2	32.7	17.7	1.5	.2							100.0	5.3	6.0

TOTAL NUMBER OF OBSERVATIONS 607

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: DEC HOURS: 15-17

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	OR 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	2.6	1.7										4.3	3.9	4.0
020-040	1.7	1.5										3.3	4.2	4.0
050-070	2.6	2.4										5.0	4.2	4.0
(E) 080-100	3.3	1.9										5.2	3.9	4.0
110-130	3.6	1.0										4.6	3.3	3.0
140-160	3.6	1.5	.2									5.3	3.9	4.0
(S) 170-190	5.7	3.8	.5									10.0	4.5	4.0
200-220	5.0	9.1	6.2	.2	.2							20.7	7.4	7.5
230-250	2.2	3.8	4.0	.7								10.7	8.3	8.0
(W) 260-280	1.5	1.9	.7									4.1	6.2	6.0
290-310	.3	1.5										1.9	5.8	6.0
320-340	1.4	1.4										2.8	4.7	5.0
VARIABLE		1.7	1.0	.3	.2							3.3	10.9	9.0
CALM	////////////////////////////////////											18.9	////////	
TOTALS	33.5	33.2	12.6	1.2	.4							100.0	4.8	5.0

TOTAL NUMBER OF OBSERVATIONS 581

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: DEC HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(W) 350-010	1.8	1.5										3.3	4.1	4.0
020-040	3.3	.3										3.6	3.3	3.0
050-070	5.6	1.2										6.8	3.5	3.0
(E) 080-100	3.0	1.5										4.5	3.3	2.0
110-130	1.8	.3										2.1	3.7	4.0
140-160	3.9	.6	.6									5.0	4.1	3.0
(S) 170-190	3.6	4.5	.3									8.3	5.1	5.0
200-220	3.9	9.2	5.0	1.8								19.9	7.8	8.0
230-250	1.2	3.3	2.7									7.1	7.9	8.0
(W) 260-280	1.5	1.5	.3									3.3	5.7	6.0
290-310	1.5	1.2										2.7	4.0	4.0
320-340	.3	1.2										1.5	5.4	5.0
VARIABLE		1.2	.3									1.5	7.8	7.0
CALM	////////////////////////////////////											30.6	////////	
TOTALS	31.4	27.5	9.2	1.8								100.0	4.0	5.0
TOTAL NUMBER OF OBSERVATIONS 337														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: DEC HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.9	.6										3.5	3.2	3.0
020-040	2.9	1.8										4.7	3.6	3.0
050-070	2.9	2.9										5.8	4.6	4.5
(E) 080-100	2.9	1.2										4.1	3.7	4.0
110-130	2.9											2.9	2.2	2.0
140-160	2.9	2.9	.6									6.4	5.1	5.0
(S) 170-190	4.7	1.8	.6									7.0	4.2	3.0
200-220	3.5	8.2	3.5	1.2	.6							17.0	8.4	8.0
230-250	.6	4.7	1.2		.6							7.0	9.1	8.5
(W) 260-280			.6									.6	10.0	10.0
290-310	1.2	1.2										2.3	4.0	4.5
320-340		1.8										1.8	6.3	6.0
VARIABLE		.6	.6									1.2	11.5	11.5
CALM	////////////////////////////////////											35.7	////////////////////////////////	
TOTALS	27.4	27.7	7.1	1.2	1.2							100.0	3.8	5.0

TOTAL NUMBER OF OBSERVATIONS 171

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: DEC HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.4	1.4	.0									3.8	3.9	4.0
020-040	1.8	1.1	.1									2.9	4.2	4.0
050-070	3.1	2.0	.0									5.1	4.0	4.0
(E) 080-100	2.5	1.5										3.9	3.9	4.0
110-130	2.6	.9										3.5	3.6	3.0
140-160	4.6	1.9	.2									6.6	3.8	3.0
(S) 170-190	4.5	3.1	.5									8.0	4.6	4.0
200-220	4.1	8.9	6.3	.6	.1							20.0	7.9	8.0
230-250	1.9	3.6	3.4	.5	.1		.0					9.5	8.5	8.0
(W) 260-280	1.2	1.3	.6	.0								3.1	6.2	6.0
290-310	.9	.9	.3	.0								2.0	5.6	5.0
320-340	1.6	1.4										3.0	4.4	4.0
VARIABLE		1.1	1.2	.2	.0							2.5	10.6	10.0
CALM	////////////////////////////////////											25.8	////////////////////////////////	
TOTALS	31.2	29.1	12.6	1.3	.2							100.0	4.5	5.0

TOTAL NUMBER OF OBSERVATIONS 2799

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: DEC HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(W) 350-010	2.9											2.9	2.0	2.0
020-040	1.4	.4										1.9	3.2	3.0
050-070	3.0	1.0										4.0	3.7	4.0
(E) 080-100	2.2	1.4										3.6	3.8	4.0
110-130	3.3	.6										3.9	3.2	3.0
140-160	6.5	1.6										8.1	3.0	3.0
(S) 170-190	8.2	2.2	.1									10.5	3.4	3.0
200-220	7.1	9.4	5.9	.3								22.6	6.7	6.0
230-250	3.0	2.3	.3	.3								5.9	5.5	4.0
(W) 260-280	.7											.7	3.6	4.0
290-310	.3	.1										.4	2.7	2.0
320-340	1.0	.7										1.7	4.3	4.0
VARIABLE														
CALM	////////////////////////////////////											33.7	////////////////////////////////	
TOTALS	39.6	19.7	6.3	.6								100.0	3.1	4.0

TOTAL NUMBER OF OBSERVATIONS 694

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: ALL HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.8	1.7	.3	.0								4.8	4.5	4.0
020-040	2.5	1.9	.5	.0								4.9	5.0	4.0
050-070	2.8	1.7	.2									4.7	4.2	4.0
(E) 080-100	2.2	1.5	.1									3.8	4.3	4.0
110-130	1.9	1.1	.1	.0								3.1	4.0	4.0
140-160	3.4	1.9	.1									5.5	4.1	4.0
(S) 170-190	4.0	2.9	.5	.0								7.4	4.7	4.0
200-220	3.5	6.6	2.9	.3	.0	.0		.0				13.3	7.0	7.0
230-250	2.9	4.2	1.7	.2	.0	.0	.0					9.1	6.6	6.0
(W) 260-280	2.2	2.1	.6	.1	.0	.0						4.9	5.4	5.0
290-310	2.2	1.7	.3	.0	.0							4.3	4.9	4.0
320-340	3.5	2.5	.4	.0								6.4	4.7	4.0
VARIABLE	.0	2.1	1.5	.2	.0			.0				3.9	9.7	9.0
CALM	////////////////////////////////////											23.8	////////////////////////////////	
TOTALS	33.9	31.9	9.2	.8								100.0	4.2	5.0

TOTAL NUMBER OF OBSERVATIONS: 38541

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: ALL HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(N) 350-010	2.6	1.0	.2								3.8	3.9	3.0
020-040	2.3	1.5	.5								4.2	4.9	4.0
050-070	2.0	.5	.0								2.6	3.3	3.0
(E) 080-100	1.3	.5									1.8	3.3	3.0
110-130	2.3	.6	.0								2.9	3.2	2.0
140-160	6.2	1.9	.0								8.1	3.3	3.0
(S) 170-190	6.9	3.1	.4								10.4	4.1	4.0
200-220	5.1	6.6	2.5	.3							14.4	6.3	6.0
230-250	2.5	1.8	.3	.0							4.7	4.9	4.0
(W) 260-280	1.0	.3									1.3	3.3	3.0
290-310	1.1	.4	.2		.0						1.6	4.0	3.0
320-340	2.8	1.7	.4								4.9	4.6	4.0
VARIABLE													
CALM	////////////////////										39.2	////////	
TOTALS	36.1	19.9	4.5	.3							100.0	2.8	4.0

TOTAL NUMBER OF OBSERVATIONS: 5299

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTT	DDDDDDDD
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTT	DDDDDDDD
PP PP	AA AA	RR RR	TT	DD 'D
PP PP	AA AA	RR RR	TT	DD DD
PPPPPPPP	AA AA	RRRRRRRR	TT	DD DD
PPPPPPPP	AAAAAAAA	RRRRRRRR	TT	DD DD
PP	AAAAAAAA	RR RR	TT	DD DD
PP	AA AA	RR RR	TT	DD DD
PP	AA AA	RR RR	TT	DDDDDDDD
PP	AA AA	RR RR	TT	DDDDDDDD

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PART D

CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

CEILING VS VISIBILITY--PERCENT OCCURRENCE FREQUENCY (POF).

CREATED FROM HOURLY OBSERVATIONS, THIS SUMMARY IS A BIVARIATE DISTRIBUTION OF PERCENTAGE FREQUENCY BY CLASSES OF CEILING (FROM ZERO FEET TO 20,000 FEET-- "NO CEILING" IS A SEPARATE CLASS) VERSUS VISIBILITY CLASSES (FROM ZERO MILES (METERS) TO GREATER THAN OR EQUAL TO 7 STATUTE MILES (11,200 METERS)). THE TABLES SUMMARIZE THE DATA AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

BECAUSE OF THE CUMULATIVE NATURE OF THESE SUMMARIES, IT IS POSSIBLE TO DETERMINE THE PERCENTAGE OCCURRENCE FREQUENCY (POF) FOR ANY GIVEN CEILING AND/OR VISIBILITY LIMIT(S), EITHER SEPARATELY OR IN ANY COMBINATION. TOTALS PROGRESS FROM RIGHT TO LEFT AND FROM BOTTOM TO TOP. TO DETERMINE CEILING ALONE, REFER TO THE EXTREME RIGHT-HAND COLUMN (ZERO VISIBILITY). TO DETERMINE VISIBILITY ALONE, REFER TO THE BOTTOM ROW (ZERO CEILINGS). DETERMINE THE POF THAT MEETS OR EXCEEDS ANY GIVEN SET OF MAXIMA BY READING THE VALUE AT THE INTERSECTION OF THE APPROPRIATE CEILING ROW AND VISIBILITY COLUMN.

NOTE 1: IN JANUARY 1968, METAR STATIONS BEGAN REPORTING VISIBILITIES TO 6 STATUTE MILES OR 9000 METERS. VALUES EXCEEDING 9000 METERS ARE REPORTED AS "9999."

NOTE 2: FOR OVERSEAS CIVILIAN STATIONS REPORTING "CAVOK", ALL CEILINGS GREATER THAN 5000 FEET APPEAR IN THE 5000 FEET CLASS.

CONVERSIONS: 1 STATUTE MILE = 1,609.344 METERS = .868391 NAUTICAL MILES.
FOR CONVENIENCE, THE CONVERSION OFTEN USED IS 1 STATUTE MILE = 1,600 METERS.

SKY COVER--PERCENT OCCURRENCE FREQUENCY.

ALSO CREATED FROM HOURLY OBSERVATIONS, THIS SUMMARY GIVES PERCENTAGE OCCURRENCE FREQUENCY (POF) OF SKY COVER IN EIGHTHS FOR SYNOPTIC STATIONS, BUT AS CLEAR, SCATTERED, BROKEN, OVERCAST, PARTIALLY OBSCURED, OR TOTALLY OBSCURED FOR AIRWAYS STATIONS. FOR AIRWAYS STATIONS, THIS SUMMARY ALSO GIVES POF FOR SKY COVER GREATER THAN ONE-HALF (I.E., 6/10). DATA IS SUMMARIZED THE SAME AS FOR PREVIOUS TABLE.

NOTE 1. THESE SUMMARIES ARE NOT AVAILABLE FOR METAR REPORTING STATIONS.

NOTE 2. AIRWAYS STATIONS THAT HAVE REPORTED IN SYNOPTIC CODE HAVE HAD THEIR
SYNOPTIC SKY COVER REPORTS CONVERTED AS FOLLOWS:

0/8.....CLEAR
1/8 THRU 4/8.....SCATTERED
5/8 THRU 7/8.....BROKEN
8/8.....OVERCAST

NOTE 3. "PARTIAL OBSCURATION" IS A SEPARATE CATEGORY NOT INCLUDED IN
COMPUTATION OF "GREATER THAN 1/2" PERCENTAGES. "TOTAL OBSCURATIONS,"
HOWEVER, ARE INCLUDED.

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JAN HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	10.6	10.8	13.0	13.6	15.9	17.3	18.5	18.9	19.1	19.4	19.4	19.6	19.8	19.8	19.8	19.8
GE 20000	12.4	12.6	14.9	15.9	18.5	20.0	21.4	21.8	22.0	22.4	22.4	22.6	22.8	22.8	22.8	22.8
GE 18000	12.4	12.6	15.1	16.1	18.7	20.2	21.8	22.4	22.6	23.0	23.0	23.2	23.4	23.4	23.4	23.4
GE 16000	12.4	12.6	15.1	16.1	18.7	20.2	21.8	22.4	22.6	23.0	23.0	23.2	23.4	23.4	23.4	23.4
GE 14000	12.4	12.6	15.1	16.1	18.7	20.2	21.8	22.4	22.6	23.0	23.0	23.2	23.4	23.4	23.4	23.4
GE 12000	12.6	12.8	15.3	16.3	18.9	20.4	22.0	22.6	22.8	23.2	23.2	23.4	23.6	23.6	23.6	23.6
GE 10000	12.6	12.8	15.3	16.3	18.9	20.4	22.0	22.6	22.8	23.2	23.2	23.4	23.6	23.6	23.6	23.6
GE 9000	13.2	13.4	15.9	16.9	19.4	21.0	22.6	23.2	23.4	23.8	23.8	24.0	24.2	24.2	24.2	24.2
GE 8000	14.5	14.9	17.9	19.4	22.2	23.8	25.3	26.1	26.3	26.7	26.7	26.9	27.1	27.1	27.1	27.1
GE 7000	15.1	15.5	18.5	20.0	22.8	24.4	25.9	26.7	26.9	27.5	27.5	27.7	27.9	27.9	27.9	27.9
GE 6000	15.1	15.5	18.5	20.0	23.0	24.6	26.1	26.9	27.1	27.7	27.7	27.9	28.1	28.1	28.1	28.1
GE 5000	16.9	17.3	20.2	21.8	24.8	26.3	27.9	29.3	29.9	31.0	31.0	31.2	31.4	31.4	31.4	31.4
GE 4500	17.7	18.1	21.0	22.6	25.9	27.5	29.1	30.5	31.0	32.2	32.2	32.4	32.6	32.6	32.6	32.6
GE 4000	20.6	21.0	24.4	26.3	29.9	31.4	33.0	34.4	35.0	36.1	36.1	36.3	36.5	36.5	36.5	36.5
GE 3500	22.4	23.0	26.9	29.3	33.6	35.6	37.1	38.5	39.1	40.5	40.9	41.1	41.3	41.3	41.3	41.3
GE 3000	26.1	26.7	31.2	34.4	40.3	42.2	44.2	46.0	46.6	47.9	48.3	49.1	49.3	49.3	49.3	49.3
GE 2500	29.7	30.3	34.8	37.9	45.8	47.7	50.1	52.1	52.7	54.2	54.6	55.4	55.6	55.6	55.6	55.6
GE 2000	33.0	33.8	39.1	42.8	51.7	54.0	57.0	59.9	60.5	62.3	62.7	63.5	63.7	63.7	63.7	63.7
GE 1800	34.0	35.0	41.1	44.8	53.8	56.2	59.1	62.1	62.9	64.6	65.0	65.8	66.0	66.0	66.0	66.0
GE 1500	35.2	36.1	43.0	47.2	56.8	59.5	63.1	66.0	67.4	69.4	69.7	70.5	70.7	70.7	70.7	70.7
GE 1200	37.5	38.5	46.2	51.1	61.7	65.2	69.0	71.9	74.1	76.6	77.0	77.8	78.0	78.0	78.0	78.0
GE 1000	38.3	39.3	47.5	53.0	64.2	68.0	72.3	75.2	78.0	80.7	81.3	82.1	82.3	82.3	82.3	82.3
GE 900	38.3	39.3	47.5	53.0	64.4	68.2	72.5	75.4	78.2	80.9	81.9	82.7	82.9	83.1	83.1	83.1
GE 800	38.3	39.3	47.9	53.4	65.2	69.5	74.5	78.8	81.5	84.3	85.3	86.1	86.4	86.6	86.6	86.6
GE 700	38.3	39.3	47.9	53.4	65.6	70.1	75.4	80.0	82.7	85.5	86.4	87.2	87.6	88.0	88.0	88.0
GE 600	38.3	39.3	47.9	53.4	65.8	70.5	76.4	81.9	84.7	88.0	89.4	90.2	90.6	91.0	91.0	91.0
GE 500	38.3	39.3	47.9	53.4	66.8	72.3	78.8	84.3	87.0	90.6	92.3	93.1	93.7	94.3	94.3	94.3
GE 400	38.3	39.3	47.9	53.4	66.8	72.3	78.8	84.9	87.8	91.7	93.7	94.5	95.1	95.7	95.7	95.7
GE 300	38.3	39.3	47.9	53.4	66.8	72.3	78.8	85.1	88.2	92.3	94.9	95.7	96.7	97.4	97.4	97.4
GE 200	38.3	39.3	47.9	53.4	66.8	72.3	78.8	85.1	88.2	92.3	95.5	96.3	97.2	98.0	98.0	98.0
GE 100	38.3	39.3	47.9	53.4	66.8	72.3	78.8	85.1	88.2	92.3	95.5	96.3	97.2	98.2	98.4	99.4
GE 000	38.5	39.5	48.1	53.6	67.0	72.5	79.0	85.3	88.4	92.5	95.7	96.5	97.4	98.4	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 509

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JAN HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	10.4	10.4	11.5	13.3	15.8	16.6	17.8	18.3	18.4	18.9	19.1	19.1	19.1	19.1	19.1	19.1
GE 20000	14.3	14.3	15.3	17.2	20.0	21.2	22.5	23.1	23.4	23.9	24.0	24.0	24.0	24.0	24.0	24.5
GE 18000	14.6	14.6	15.7	17.5	20.3	21.6	22.8	23.4	23.7	24.2	24.3	24.3	24.3	24.3	24.3	24.8
GE 16000	14.6	14.6	15.7	17.5	20.3	21.6	22.8	23.4	23.7	24.2	24.3	24.3	24.3	24.3	24.3	24.8
GE 14000	14.6	14.6	15.7	17.5	20.3	21.6	22.8	23.4	23.7	24.2	24.3	24.3	24.3	24.3	24.3	24.8
GE 12000	14.9	14.9	16.0	17.8	20.6	21.9	23.1	23.7	24.0	24.5	24.7	24.7	24.7	24.7	24.7	25.1
GE 10000	15.5	15.5	16.7	18.9	21.7	22.9	24.3	25.0	25.3	25.7	26.0	26.0	26.0	26.0	26.0	26.5
GE 9000	16.9	16.9	18.3	20.5	23.4	24.7	26.0	26.7	27.0	27.4	27.8	27.8	27.8	27.8	27.8	28.2
GE 8000	18.6	18.8	20.5	22.6	25.7	27.1	28.5	29.5	29.9	30.4	30.7	31.0	31.0	31.0	31.0	31.5
GE 7000	19.4	19.5	21.4	23.7	26.8	28.2	29.6	30.5	31.2	31.6	32.1	32.4	32.4	32.4	32.4	32.9
GE 6000	19.4	19.5	21.4	23.7	26.8	28.2	29.6	30.5	31.2	31.6	32.1	32.4	32.4	32.4	32.4	32.9
GE 5000	22.3	22.5	24.3	26.7	29.9	31.3	32.7	33.6	35.0	35.5	36.0	36.3	36.3	36.3	36.3	36.7
GE 4500	23.3	23.4	25.3	27.6	30.9	32.2	33.6	34.6	36.0	36.4	36.9	37.2	37.2	37.2	37.2	37.7
GE 4000	25.0	25.3	27.1	30.1	33.6	35.0	36.4	37.4	38.8	39.2	39.7	40.0	40.0	40.0	40.0	40.5
GE 3500	27.6	27.9	30.2	33.5	37.5	39.1	40.6	41.6	42.9	43.6	44.2	44.7	44.7	44.7	44.7	45.1
GE 3000	31.8	32.6	35.3	39.1	43.4	45.4	47.3	48.5	49.9	50.5	51.2	51.6	51.6	51.6	51.6	52.1
GE 2500	36.9	38.0	41.1	44.8	49.9	51.9	54.1	55.3	56.7	57.4	58.0	58.4	58.4	58.4	58.4	58.9
GE 2000	40.3	41.4	45.6	49.8	55.2	57.2	60.2	61.9	63.4	64.2	64.8	65.4	65.4	65.4	65.4	65.9
GE 1800	41.1	42.2	47.8	51.9	57.7	59.8	63.3	65.0	66.5	67.3	67.9	68.5	68.5	68.5	68.5	69.0
GE 1500	42.9	44.0	50.4	55.0	61.4	64.3	68.2	69.9	71.5	72.4	73.5	74.4	74.4	74.4	74.4	74.9
GE 1200	44.5	45.6	52.2	57.1	63.7	67.1	71.2	72.9	74.4	75.3	76.7	77.7	77.7	77.7	77.7	78.1
GE 1000	45.3	46.4	53.8	59.2	66.7	70.2	74.7	76.4	78.4	79.7	81.1	82.0	82.0	82.0	82.0	82.5
GE 900	45.4	46.5	54.0	59.4	67.4	71.2	76.1	77.8	80.0	81.2	82.6	83.6	83.6	83.6	83.6	84.0
GE 800	45.6	46.7	54.3	60.3	69.1	73.2	78.9	80.9	83.3	84.5	85.9	86.8	86.8	86.8	86.8	87.3
GE 700	45.7	46.8	54.4	60.6	69.5	73.5	80.0	82.2	84.7	85.9	87.3	88.2	88.2	88.2	88.2	88.7
GE 600	45.7	46.8	54.4	60.8	69.9	74.6	81.2	84.0	86.8	89.0	90.7	91.6	91.6	91.6	91.6	92.4
GE 500	45.7	46.8	54.4	60.8	70.2	74.9	81.7	84.7	87.8	90.2	92.2	93.6	93.8	93.8	93.8	94.6
GE 400	45.7	46.8	54.4	60.8	70.2	74.9	81.7	84.8	88.4	91.3	93.5	94.9	95.0	95.3	95.3	96.1
GE 300	45.9	47.0	54.6	60.9	70.4	75.0	81.9	85.0	89.1	92.2	94.7	96.1	96.6	97.2	97.2	98.0
GE 200	45.9	47.0	54.6	60.9	70.4	75.0	81.9	85.0	89.1	92.2	95.2	96.6	97.1	97.7	97.7	98.4
GE 100	45.9	47.0	54.6	60.9	70.4	75.0	81.9	85.0	89.1	92.2	95.2	96.6	97.1	97.7	97.7	99.4
GE 000	45.9	47.0	54.6	60.9	70.4	75.0	81.9	85.0	89.1	92.2	95.2	96.6	97.1	97.7	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS 545

D - 2 - 2

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
1ST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JAN HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	11.8	12.0	13.2	15.2	17.7	18.9	19.1	20.3	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.7
GE 20000	16.0	16.1	17.9	20.3	23.0	24.2	24.4	25.8	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.6
GE 18000	16.3	16.5	18.5	21.0	23.6	24.8	25.0	26.4	26.9	26.9	26.9	26.9	26.9	26.9	26.9	27.2
GE 16000	16.3	16.5	18.5	21.0	23.6	24.8	25.0	26.4	26.9	26.9	26.9	26.9	26.9	26.9	26.9	27.2
GE 14000	16.3	16.5	18.5	21.0	23.6	24.8	25.0	26.4	26.9	26.9	26.9	26.9	26.9	26.9	26.9	27.2
GE 12000	16.5	16.6	18.6	21.1	23.8	25.0	25.2	26.6	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.3
GE 10000	16.8	16.9	19.4	22.5	25.5	26.9	27.0	28.4	28.9	28.9	28.9	28.9	28.9	28.9	28.9	29.2
GE 9000	18.0	18.2	20.8	24.1	27.0	28.4	28.6	30.0	30.7	30.7	30.7	30.7	30.7	30.7	30.7	31.1
GE 8000	20.2	20.3	23.0	26.4	29.8	31.2	31.5	32.9	33.9	34.0	34.2	34.5	34.5	34.5	34.5	34.8
GE 7000	21.4	21.9	24.8	28.4	31.8	33.2	33.5	34.9	36.2	36.5	36.6	37.0	37.0	37.0	37.0	37.3
GE 6000	21.4	21.9	24.8	28.4	31.8	33.2	33.5	34.9	36.2	36.5	36.6	37.0	37.0	37.0	37.0	37.3
GE 5000	23.9	25.0	28.0	31.7	35.1	36.5	36.8	38.2	39.4	40.1	40.2	40.5	40.5	40.5	40.5	40.8
GE 4500	24.8	26.1	29.0	32.9	36.3	37.7	38.0	39.4	40.7	41.5	41.6	41.9	41.9	41.9	41.9	42.2
GE 4000	28.0	29.3	32.3	36.2	39.8	41.1	41.5	42.9	44.1	44.9	45.2	45.5	45.5	45.5	45.5	45.8
GE 3500	32.9	34.3	37.3	41.1	44.7	46.4	47.2	48.6	49.8	50.6	50.9	51.2	51.2	51.2	51.2	51.6
GE 3000	38.5	39.9	43.3	48.0	51.9	54.0	55.1	56.5	57.8	58.5	58.9	59.2	59.2	59.2	59.2	59.5
GE 2500	40.5	41.9	45.3	50.2	54.7	56.8	58.1	59.5	60.7	61.5	61.8	62.1	62.1	62.1	62.1	62.4
GE 2000	44.7	46.4	50.9	56.2	61.2	63.4	64.8	66.3	67.5	68.3	68.6	68.9	68.9	68.9	68.9	69.3
GE 1800	46.0	47.7	52.5	57.9	63.0	65.2	67.1	68.6	70.0	70.8	71.1	71.4	71.4	71.4	71.4	71.7
GE 1500	48.3	50.3	56.2	61.6	67.9	70.3	72.7	74.2	75.6	76.7	77.0	77.3	77.3	77.3	77.3	77.6
GE 1200	50.3	52.5	59.0	65.2	72.8	75.5	78.1	80.1	81.5	82.6	82.9	83.2	83.2	83.2	83.2	83.5
GE 1000	51.4	53.6	60.1	66.9	75.8	78.7	81.4	83.4	84.8	85.9	86.2	86.5	86.5	86.5	86.5	86.8
GE 900	51.4	53.6	60.1	66.9	76.7	79.7	82.3	84.5	85.9	87.0	87.3	87.6	87.7	87.7	87.7	88.0
GE 800	52.0	54.2	60.7	67.5	78.0	80.9	83.9	87.0	88.4	89.9	90.5	90.8	91.0	91.0	91.0	91.3
GE 700	52.0	54.2	60.7	67.5	78.3	81.8	84.9	88.2	89.6	91.1	91.8	92.2	92.4	92.4	92.4	92.7
GE 600	52.0	54.2	60.7	67.5	78.9	82.5	85.7	89.3	90.7	92.9	93.6	94.1	94.4	94.4	94.4	94.7
GE 500	52.0	54.2	60.7	67.5	78.9	82.8	86.0	89.8	91.1	93.8	94.9	95.7	96.0	96.0	96.3	96.6
GE 400	52.0	54.2	60.7	67.5	78.9	82.8	86.0	89.9	91.5	95.2	96.3	97.2	97.5	97.5	97.8	98.1
GE 300	52.0	54.2	60.7	67.5	78.9	82.8	86.0	89.9	91.5	95.2	96.3	97.2	97.5	97.5	97.8	98.1
GE 200	52.0	54.2	60.7	67.5	78.9	82.8	86.0	89.9	91.5	95.2	96.3	97.4	97.7	97.7	98.0	98.3
GE 100	52.0	54.2	60.7	67.5	78.9	82.8	86.0	89.9	91.5	95.2	96.3	97.4	97.7	97.7	98.1	99.4
GE 000	52.0	54.2	60.7	67.5	78.9	82.8	86.0	90.1	91.6	95.3	96.4	97.5	97.8	97.8	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 644

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JAN HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	15.9	16.1	17.0	18.4	20.4	21.2	21.7	22.6	23.1	23.1	23.2	23.4	23.4	23.4	23.4	23.7
GE 20000	17.9	18.3	19.5	21.1	23.7	24.6	25.1	26.1	26.7	26.7	27.0	27.1	27.1	27.1	27.3	27.6
GE 18000	18.1	18.4	19.7	21.2	23.9	24.8	25.3	26.2	26.8	26.8	27.1	27.3	27.3	27.3	27.5	27.8
GE 16000	18.1	18.4	19.7	21.2	23.9	24.8	25.3	26.2	26.8	26.8	27.1	27.3	27.3	27.3	27.5	27.8
GE 14000	18.6	18.9	20.1	21.7	24.3	25.3	25.7	26.7	27.3	27.3	27.6	27.8	27.8	27.8	27.9	28.2
GE 12000	18.9	19.2	20.4	22.0	24.8	25.7	26.2	27.1	27.8	27.8	28.1	28.2	28.2	28.2	28.4	28.7
GE 10000	20.7	21.1	22.9	25.0	28.1	29.0	29.5	30.4	31.0	31.0	31.4	31.5	31.5	31.5	31.7	32.0
GE 9000	21.8	22.2	24.2	26.4	29.8	30.7	31.2	32.1	32.8	32.8	33.1	33.2	33.2	33.2	33.4	33.7
GE 8000	24.0	24.3	26.5	29.0	32.8	33.7	34.2	35.1	36.3	36.7	37.1	37.3	37.3	37.3	37.4	37.8
GE 7000	25.6	25.9	28.4	31.2	35.6	36.7	37.1	38.4	39.6	40.2	41.0	41.5	41.5	41.5	41.7	42.0
GE 6000	25.7	26.1	28.5	31.5	35.9	37.0	37.4	38.7	39.9	40.6	41.3	41.8	41.8	41.8	42.0	42.3
GE 5000	26.8	27.1	29.8	33.2	37.9	39.0	39.5	40.7	42.0	42.6	43.4	43.8	43.8	43.8	44.0	44.3
GE 4500	28.5	29.0	31.8	35.4	40.1	41.2	41.7	43.1	44.5	45.1	45.9	46.3	46.3	46.3	46.5	46.8
GE 4000	32.6	33.4	36.5	40.1	45.1	46.2	46.6	48.0	49.5	50.2	51.0	51.5	51.5	51.5	51.6	52.0
GE 3500	38.1	38.8	42.3	45.9	51.3	52.6	53.0	54.6	56.0	56.8	57.6	58.0	58.0	58.0	58.2	58.5
GE 3000	42.3	43.2	47.3	51.0	56.9	58.5	59.0	60.5	61.9	62.7	63.5	64.0	64.0	64.0	64.1	64.4
GE 2500	44.6	45.6	49.8	53.5	60.4	62.1	62.7	64.3	65.7	66.5	67.2	67.7	67.7	67.9	68.0	68.3
GE 2000	48.0	49.0	53.7	57.7	65.4	67.2	68.0	69.9	71.3	72.2	73.0	73.5	73.8	73.9	74.1	74.4
GE 1800	50.1	51.2	56.3	60.5	68.5	70.5	71.5	73.3	74.9	75.8	76.8	77.2	77.5	77.7	77.8	78.2
GE 1500	52.1	53.5	59.3	63.7	72.2	74.3	75.5	77.5	79.1	80.0	81.1	81.6	81.9	82.1	82.2	82.5
GE 1200	53.0	54.4	60.8	65.5	75.5	77.8	79.7	81.9	83.8	84.9	86.0	86.4	86.7	86.9	87.1	87.4
GE 1000	53.4	54.8	61.6	66.5	78.0	80.5	82.5	84.7	86.6	87.7	88.9	89.4	89.7	89.9	90.0	90.3
GE 900	53.5	54.9	61.8	66.6	78.3	80.8	82.8	85.3	87.2	88.3	89.5	90.0	90.3	90.5	90.8	91.1
GE 800	53.8	55.2	62.6	67.4	79.7	82.7	84.7	87.7	89.5	90.6	91.9	92.4	92.8	93.0	93.3	93.6
GE 700	53.8	55.2	62.6	67.4	79.7	82.7	85.0	88.3	90.3	91.4	92.7	93.6	94.1	94.2	94.9	95.2
GE 600	53.8	55.2	62.6	67.6	79.9	82.8	85.3	88.6	90.6	92.2	94.1	95.0	95.5	95.6	96.3	96.6
GE 500	53.8	55.2	62.6	67.6	80.3	83.5	86.0	89.2	91.3	92.8	94.9	95.8	96.3	96.4	97.0	97.3
GE 400	53.8	55.2	62.6	67.6	80.3	83.5	86.0	89.2	91.4	93.6	95.9	97.0	97.5	97.7	98.8	99.1
GE 300	53.8	55.2	62.6	67.6	80.3	83.5	86.0	89.2	91.4	93.8	96.1	97.2	97.7	97.8	98.9	99.2
GE 200	53.8	55.2	62.6	67.6	80.3	83.5	86.0	89.2	91.4	93.8	96.3	97.3	97.8	98.0	99.1	99.4
GE 100	53.8	55.2	62.6	67.6	80.3	83.5	86.0	89.2	91.4	93.8	96.6	97.7	98.1	98.3	99.4	100.0
GE 000	53.8	55.2	62.6	67.6	80.3	83.5	86.0	89.2	91.4	93.8	96.6	97.7	98.1	98.3	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 641

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JAN HOURS: 18-20

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	14.3	14.5	15.2	16.1	18.7	20.0	21.1	21.1	21.6	21.8	22.0	22.2	22.5	22.5	22.5	22.5
GE 20000	16.3	16.5	17.2	18.1	20.9	22.5	23.6	23.6	24.0	25.3	25.6	25.8	26.0	26.0	26.0	26.0
GE 18000	16.3	16.5	17.2	18.1	20.9	22.5	23.6	23.6	24.0	25.3	26.0	26.2	26.4	26.4	26.4	26.4
GE 16000	16.3	16.5	17.2	18.1	20.9	22.5	23.6	23.6	24.0	25.3	26.0	26.2	26.4	26.4	26.4	26.4
GE 14000	16.3	16.5	17.2	18.1	20.9	22.5	23.6	23.6	24.0	25.3	26.0	26.2	26.4	26.4	26.4	26.4
GE 12000	17.6	17.8	18.7	19.6	22.5	24.0	25.1	25.1	25.6	26.9	27.5	27.8	28.0	28.0	28.0	28.0
GE 10000	18.5	18.7	19.6	20.7	23.6	25.1	26.2	26.2	26.7	28.0	28.6	28.9	29.1	29.1	29.1	29.1
GE 9000	19.4	19.6	20.7	21.8	24.9	26.4	27.5	27.5	28.0	29.3	30.0	30.2	30.4	30.4	30.4	30.4
GE 8000	20.5	20.7	22.2	23.3	27.1	28.6	29.7	29.7	30.4	31.7	32.8	33.0	33.3	33.3	33.3	33.3
GE 7000	23.1	23.3	24.9	26.0	30.8	32.8	33.9	33.9	35.2	36.6	37.7	37.9	38.1	38.1	38.1	38.1
GE 6000	23.1	23.3	24.9	26.0	31.1	33.0	34.1	34.1	35.5	36.8	37.9	38.5	38.8	38.8	38.8	38.8
GE 5000	23.8	24.0	25.6	26.7	32.6	34.8	35.9	35.9	37.2	38.5	39.9	40.5	40.7	40.7	40.7	40.7
GE 4500	25.6	25.8	27.3	28.4	34.4	36.6	37.7	37.7	39.0	41.0	42.3	43.0	43.2	43.2	43.2	43.2
GE 4000	30.4	31.3	33.7	35.2	41.4	43.8	45.6	45.6	46.9	48.9	50.2	50.9	51.1	51.1	51.1	51.1
GE 3500	32.6	33.5	37.0	39.2	45.8	48.2	50.0	50.0	51.3	53.3	54.6	55.3	55.5	55.5	55.5	55.5
GE 3000	36.1	37.2	42.1	44.7	52.0	54.6	56.4	56.8	58.1	60.1	61.9	62.6	62.8	63.0	63.0	63.0
GE 2500	38.3	39.4	44.3	47.8	56.2	59.3	61.2	61.7	63.0	65.0	66.7	67.4	67.6	67.8	67.8	68.1
GE 2000	41.9	43.0	49.1	53.1	63.2	66.5	68.7	69.2	70.5	72.5	74.9	75.6	75.8	76.0	76.0	76.2
GE 1800	42.3	43.4	50.2	54.2	64.8	68.3	70.5	70.9	72.2	74.4	76.9	77.5	77.8	78.0	78.0	78.2
GE 1500	43.6	44.7	52.4	56.4	68.1	72.0	74.7	75.6	77.1	80.0	82.4	83.0	83.3	83.5	83.5	83.7
GE 1200	44.1	45.2	53.1	57.5	71.6	76.7	80.0	81.1	82.6	85.5	87.9	88.5	88.8	89.0	89.0	89.2
GE 1000	44.1	45.2	53.3	57.7	72.0	77.1	80.4	81.5	83.0	85.9	89.4	90.1	90.3	90.5	90.5	90.7
GE 900	44.1	45.2	53.3	57.7	72.0	77.1	80.4	81.9	83.5	86.3	89.9	90.5	90.7	91.0	91.2	91.4
GE 800	44.1	45.2	53.5	58.4	72.7	77.8	81.1	83.3	85.2	88.5	92.1	93.2	93.4	93.6	93.8	94.1
GE 700	44.1	45.2	53.5	58.4	72.7	77.8	81.1	83.5	85.7	89.2	92.7	94.1	94.3	94.5	94.7	94.9
GE 600	44.1	45.2	53.5	58.6	73.3	78.4	81.7	84.1	86.3	90.5	94.3	96.3	96.7	96.9	97.1	97.4
GE 500	44.1	45.2	53.5	58.6	73.3	78.4	81.7	84.1	86.3	90.5	94.7	96.7	98.0	98.2	98.5	98.7
GE 400	44.1	45.2	53.5	58.6	73.3	78.4	81.7	84.1	86.3	90.5	94.7	96.7	98.0	98.2	98.9	99.1
GE 300	44.1	45.2	53.5	58.6	73.3	78.4	81.7	84.1	86.3	90.5	94.7	96.7	98.2	98.9	99.6	99.8
GE 200	44.1	45.2	53.5	58.6	73.3	78.4	81.7	84.1	86.3	90.5	94.7	96.7	98.2	98.9	99.6	99.8
GE 100	44.1	45.2	53.5	58.6	73.3	78.4	81.7	84.1	86.3	90.5	94.7	96.7	98.2	98.9	99.6	99.8
GE 000	44.3	45.4	53.7	58.8	73.6	78.6	81.9	84.4	86.6	90.7	94.9	96.9	98.5	99.1	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 454

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JAN HOURS: 21-23

CEILING IN FEET	VISIBILITY IN METERS																
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00	
NO CEIL	11.3	12.6	16.6	18.6	21.1	23.1	25.5	25.5	27.1	27.1	28.3	28.3	28.3	28.3	28.3	28.3	
GE 20000	12.6	13.8	17.8	20.2	23.5	25.5	27.9	27.9	29.6	30.0	32.0	32.0	32.0	32.0	32.0	32.0	
GE 18000	12.6	13.8	17.8	20.2	23.5	25.5	27.9	27.9	29.6	30.0	32.4	32.4	32.4	32.4	32.4	32.4	
GE 16000	12.6	13.8	17.8	20.2	23.5	25.5	27.9	27.9	29.6	30.0	32.4	32.4	32.4	32.4	32.4	32.4	
GE 14000	12.6	13.8	17.8	20.2	23.5	25.5	27.9	27.9	29.6	30.0	32.4	32.4	32.4	32.4	32.4	32.4	
GE 12000	12.6	13.8	18.2	20.6	23.9	25.9	28.3	28.3	30.0	30.4	32.8	32.8	32.8	32.8	32.8	32.8	
GE 10000	13.0	14.2	18.6	21.1	24.3	26.3	28.7	28.7	30.4	30.8	33.2	33.2	33.2	33.2	33.2	33.2	
GE 9000	13.8	15.0	19.4	21.9	25.1	27.1	29.6	29.6	31.2	31.6	34.0	34.0	34.0	34.0	34.0	34.0	
GE 8000	13.8	15.0	20.2	23.1	26.3	28.3	31.2	31.2	32.8	33.2	36.4	36.4	36.4	36.4	36.4	36.4	
GE 7000	15.4	17.0	22.3	25.5	28.7	30.8	33.6	33.6	35.2	35.6	38.9	38.9	38.9	38.9	38.9	38.9	
GE 6000	16.2	17.8	23.1	26.3	29.6	31.6	34.4	34.4	36.0	36.4	39.7	39.7	39.7	39.7	39.7	39.7	
GE 5000	17.4	19.0	25.1	28.3	31.6	34.0	37.2	37.2	38.9	39.3	42.5	42.5	42.5	42.5	42.5	42.5	
GE 4500	19.0	20.6	26.7	30.0	33.2	35.6	38.9	38.9	40.5	41.7	44.9	44.9	44.9	44.9	44.9	44.9	
GE 4000	24.3	25.9	32.8	36.8	40.1	42.5	45.7	45.7	47.4	48.6	51.8	51.8	51.8	51.8	51.8	51.8	
GE 3500	29.1	30.8	38.1	42.5	45.7	48.6	51.8	51.8	53.4	54.7	57.9	57.9	57.9	57.9	57.9	57.9	
GE 3000	34.4	36.0	44.5	49.0	53.8	56.7	59.9	59.9	61.5	62.8	66.4	66.4	66.4	66.4	66.4	66.4	
GE 2500	35.6	37.2	46.6	51.0	57.5	60.3	63.6	63.6	65.2	66.4	70.0	70.4	70.4	70.4	70.9	70.9	
GE 2000	39.3	40.9	52.6	57.9	65.2	68.0	72.1	72.1	73.7	74.9	78.9	79.4	79.4	79.4	79.8	79.8	
GE 1800	39.3	40.9	52.6	57.9	65.6	68.4	72.5	72.5	74.1	75.7	79.8	80.2	80.2	80.2	80.6	80.6	
GE 1500	40.1	41.7	54.3	59.5	68.0	70.9	74.9	75.3	76.9	78.9	83.0	83.4	83.4	83.4	83.8	83.8	
GE 1200	40.5	42.1	55.5	61.1	70.9	74.5	79.4	79.8	81.4	83.8	87.9	88.3	88.3	88.3	88.7	88.7	
GE 1000	40.5	42.1	55.5	61.5	71.7	75.3	80.2	80.6	82.2	84.6	88.7	89.1	90.3	90.3	90.7	90.7	
GE 900	40.5	42.1	55.5	61.5	71.7	75.3	80.2	81.0	82.6	85.0	89.1	89.5	90.7	90.7	91.1	91.1	
GE 800	40.5	42.1	55.5	62.3	73.3	77.3	82.2	84.2	85.8	88.3	92.3	93.5	94.7	94.7	95.1	95.1	
GE 700	40.5	42.1	55.5	62.3	73.7	77.7	82.6	84.6	87.0	89.5	93.5	94.7	96.0	96.0	96.4	96.4	
GE 600	40.5	42.1	55.5	62.3	73.7	78.1	83.0	85.0	87.4	90.7	94.7	96.8	98.0	98.0	98.4	98.4	
GE 500	40.5	42.1	55.5	62.3	73.7	78.1	83.0	85.4	87.9	91.1	95.1	97.2	98.4	98.4	98.8	98.8	
GE 400	40.5	42.1	55.5	62.3	73.7	78.1	83.4	85.8	88.3	91.5	95.5	97.6	98.8	98.8	99.2	99.2	
GE 300	40.5	42.1	55.5	62.3	73.7	78.1	83.4	85.8	88.3	91.5	95.5	97.6	98.8	99.6	100.0	100.0	
GE 200	40.5	42.1	55.5	62.3	73.7	78.1	83.4	85.8	88.3	91.5	95.5	97.6	98.8	99.6	100.0	100.0	
GE 100	40.5	42.1	55.5	62.3	73.7	78.1	83.4	85.8	88.3	91.5	95.5	97.6	98.8	99.6	100.0	100.0	
GE 000	40.5	42.1	55.5	62.3	73.7	78.1	83.4	85.8	88.3	91.5	95.5	97.6	98.8	99.6	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS 247

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL

PERIOD OF RECORD: APR 81 - MAR 91

LST TO UTC: - 1

MONTH: JAN HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	12.5	12.7	14.1	15.6	18.0	19.1	20.1	20.7	21.1	21.2	21.4	21.5	21.6	21.6	21.6	21.7
GE 20000	15.2	15.5	17.1	18.8	21.5	22.9	23.8	24.5	25.0	25.4	25.7	25.8	25.8	25.8	25.9	26.1
GE 18000	15.4	15.6	17.4	19.0	21.8	23.1	24.1	24.8	25.3	25.7	26.1	26.2	26.2	26.2	26.3	26.5
GE 16000	15.4	15.6	17.4	19.0	21.8	23.1	24.1	24.8	25.3	25.7	26.1	26.2	26.2	26.2	26.3	26.5
GE 14000	15.5	15.7	17.5	19.1	21.9	23.2	24.2	24.9	25.4	25.8	26.2	26.3	26.3	26.3	26.4	26.6
GE 12000	15.9	16.1	17.9	19.6	22.4	23.7	24.7	25.4	25.9	26.3	26.7	26.8	26.8	26.8	26.8	27.1
GE 10000	16.6	16.8	18.9	20.9	23.8	25.2	26.2	26.9	27.4	27.8	28.2	28.3	28.3	28.3	28.4	28.6
GE 9000	17.6	17.9	20.1	22.1	25.2	26.5	27.5	28.2	28.8	29.2	29.6	29.7	29.8	29.8	29.8	30.0
GE 8000	19.3	19.6	22.0	24.3	27.7	29.1	30.2	31.0	31.8	32.2	32.8	33.1	33.1	33.1	33.2	33.4
GE 7000	20.6	21.0	23.6	26.1	29.7	31.2	32.3	33.2	34.1	34.7	35.4	35.7	35.8	35.8	35.8	36.1
GE 6000	20.7	21.1	23.7	26.2	29.9	31.4	32.5	33.3	34.3	34.9	35.6	36.0	36.1	36.1	36.1	36.3
GE 5000	22.5	23.1	25.8	28.4	32.3	33.9	35.0	35.9	37.1	37.9	38.6	39.0	39.0	39.0	39.1	39.3
GE 4500	23.8	24.4	27.1	29.8	33.8	35.3	36.4	37.4	38.7	39.6	40.4	40.7	40.8	40.8	40.8	41.0
GE 4000	27.2	28.0	31.1	34.0	38.2	39.8	41.1	42.0	43.3	44.3	45.0	45.4	45.4	45.4	45.5	45.7
GE 3500	30.8	31.7	35.2	38.4	43.0	44.8	46.2	47.2	48.4	49.5	50.4	50.7	50.8	50.8	50.8	51.1
GE 3000	35.2	36.2	40.4	44.2	49.5	51.6	53.1	54.3	55.5	56.6	57.5	58.0	58.1	58.1	58.2	58.4
GE 2500	38.2	39.2	43.6	47.5	53.9	56.1	57.8	59.0	60.3	61.4	62.3	62.8	62.9	63.0	63.0	63.3
GE 2000	41.8	42.9	48.3	52.7	59.9	62.2	64.4	66.0	67.2	68.4	69.5	70.0	70.2	70.2	70.3	70.5
GE 1800	42.8	44.0	50.1	54.6	62.0	64.4	66.8	68.4	69.8	71.0	72.1	72.7	72.8	72.9	72.9	73.2
GE 1500	44.5	45.9	52.8	57.4	65.7	68.4	71.2	73.0	74.5	76.0	77.2	77.8	77.9	78.0	78.1	78.3
GE 1200	45.9	47.3	54.8	59.9	69.4	72.7	75.9	77.8	79.5	81.1	82.4	83.0	83.2	83.2	83.3	83.5
GE 1000	46.5	47.9	55.7	61.2	71.6	75.1	78.5	80.4	82.3	84.0	85.6	86.2	86.4	86.5	86.5	86.8
GE 900	46.6	48.0	55.8	61.3	72.1	75.6	79.1	81.2	83.1	84.8	86.4	87.0	87.3	87.4	87.5	87.8
GE 800	46.8	48.2	56.2	62.0	73.3	77.1	81.0	83.8	85.8	87.7	89.4	90.1	90.4	90.5	90.6	90.9
GE 700	46.8	48.2	56.3	62.1	73.5	77.5	81.7	84.7	86.8	88.8	90.4	91.3	91.7	91.8	92.0	92.2
GE 600	46.8	48.2	56.3	62.2	73.9	78.1	82.4	85.8	88.0	90.6	92.6	93.7	94.0	94.2	94.4	94.7
GE 500	46.8	48.2	56.3	62.2	74.2	78.6	83.1	86.6	88.9	91.7	93.9	95.1	95.7	95.9	96.1	96.4
GE 400	46.8	48.2	56.3	62.2	74.2	78.6	83.1	86.8	89.2	92.5	94.9	96.2	96.8	97.0	97.4	97.7
GE 300	46.8	48.2	56.3	62.2	74.3	78.6	83.2	86.8	89.5	92.9	95.4	96.7	97.4	97.9	98.3	98.6
GE 200	46.8	48.2	56.3	62.2	74.3	78.6	83.2	86.8	89.5	92.9	95.6	96.9	97.7	98.1	98.5	98.9
GE 100	46.8	48.2	56.3	62.2	74.3	78.6	83.2	86.8	89.5	92.9	95.7	97.0	97.7	98.2	98.7	99.6
GE 000	46.9	48.3	56.4	62.3	74.3	78.7	83.2	86.9	89.6	93.0	95.8	97.1	97.8	98.3	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 3140

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: FEB HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	13.6	14.1	18.6	20.8	24.5	26.4	29.7	31.4	31.8	32.7	32.7	33.1	33.1	33.1	33.1	33.1
GE 20000	15.4	15.8	20.6	22.7	26.4	28.6	32.3	34.0	34.6	35.5	35.5	35.9	35.9	35.9	35.9	35.9
GE 18000	15.8	16.2	21.0	23.2	26.8	29.0	32.7	34.4	35.1	35.9	35.9	36.4	36.4	36.4	36.4	36.4
GE 16000	15.8	16.2	21.0	23.2	26.8	29.0	32.7	34.4	35.1	35.9	35.9	36.4	36.4	36.4	36.4	36.4
GE 14000	16.0	16.5	21.2	23.4	27.1	29.2	32.9	34.6	35.5	36.4	36.4	36.8	36.8	36.8	36.8	36.8
GE 12000	16.2	16.7	21.6	24.0	28.1	30.3	34.0	35.7	36.8	37.7	37.7	38.1	38.1	38.1	38.1	38.1
GE 10000	17.1	17.5	22.9	25.3	29.4	31.6	35.3	37.0	38.1	39.0	39.0	39.4	39.4	39.4	39.4	39.4
GE 9000	17.5	18.0	23.4	25.8	29.9	32.0	35.7	37.4	38.5	39.4	39.4	39.8	39.8	39.8	39.8	39.8
GE 8000	17.7	18.2	23.8	26.4	31.4	33.5	37.7	39.4	40.5	41.3	41.3	41.8	41.8	41.8	41.8	41.8
GE 7000	18.8	19.5	25.1	27.9	33.3	35.5	39.6	41.3	42.4	43.3	43.3	43.7	43.7	43.7	43.7	43.7
GE 6000	20.1	20.8	26.4	29.2	34.6	36.8	40.9	42.6	43.7	44.6	44.6	45.0	45.0	45.0	45.0	45.0
GE 5000	21.4	22.1	27.9	30.7	37.0	39.2	43.3	45.0	46.1	47.0	47.0	47.4	47.4	47.4	47.4	47.4
GE 4500	21.9	22.5	28.4	31.2	37.7	39.8	43.9	45.7	46.8	47.6	47.6	48.1	48.1	48.1	48.1	48.1
GE 4000	26.4	27.1	34.0	36.8	45.2	47.8	53.0	55.0	56.1	56.9	57.4	57.8	57.8	57.8	57.8	57.8
GE 3500	28.4	29.0	36.1	39.8	48.7	51.5	56.7	58.7	59.7	60.6	61.0	61.5	61.5	61.5	61.5	61.5
GE 3000	30.5	31.2	38.3	42.9	52.2	55.6	61.5	63.6	64.7	65.8	66.2	66.7	66.7	66.7	66.7	66.7
GE 2500	34.8	35.5	43.5	48.5	59.1	63.0	68.8	71.0	72.1	73.2	73.6	74.0	74.0	74.0	74.0	74.0
GE 2000	36.6	37.2	46.8	52.2	65.8	70.1	76.0	78.1	79.4	81.0	81.4	81.8	82.0	82.0	82.0	82.0
GE 1800	36.8	37.4	47.2	52.6	66.2	70.6	76.4	78.6	79.9	81.6	82.3	82.7	82.9	82.9	82.9	82.9
GE 1500	37.0	37.7	48.3	54.1	68.0	72.5	78.6	80.7	82.0	83.8	84.6	85.1	85.3	85.3	85.3	85.3
GE 1200	37.2	37.9	49.1	55.4	69.7	74.2	81.2	84.0	85.7	87.7	89.0	89.4	89.6	89.6	89.6	89.6
GE 1000	37.2	37.9	49.6	55.8	70.6	75.1	82.9	85.9	87.9	89.8	91.1	92.2	92.4	92.4	92.4	92.4
GE 900	37.2	37.9	49.6	55.8	70.6	75.1	82.9	85.9	88.1	90.0	91.3	92.4	92.9	92.9	92.9	92.9
GE 800	37.2	37.9	49.6	55.8	71.0	75.5	83.5	86.6	88.7	90.7	92.0	93.1	93.5	93.5	93.5	93.5
GE 700	37.2	37.9	49.8	56.5	71.9	76.8	84.8	87.9	90.5	92.4	93.9	95.0	95.5	95.5	95.5	95.5
GE 600	37.4	38.1	50.0	56.7	72.1	77.1	85.3	88.3	91.1	93.5	95.2	96.3	97.0	97.0	97.0	97.0
GE 500	37.4	38.1	50.0	56.7	72.5	77.5	85.7	88.7	91.6	93.9	95.7	96.8	97.4	97.4	97.4	97.4
GE 400	37.4	38.1	50.0	56.7	72.5	77.5	85.7	88.7	91.6	93.9	95.7	97.2	97.8	97.8	97.8	97.8
GE 300	37.4	38.1	50.0	56.7	72.5	77.5	85.7	88.7	91.6	93.9	95.7	97.2	98.1	98.1	98.1	98.1
GE 200	37.4	38.1	50.0	56.7	72.5	77.5	85.7	88.7	91.6	93.9	95.7	97.2	98.1	98.1	98.1	98.1
GE 100	37.4	38.1	50.0	56.7	72.5	77.5	85.7	88.7	91.8	94.4	96.8	98.3	99.4	99.4	99.8	100.0
GE 000	37.4	38.1	50.0	56.7	72.5	77.5	85.7	88.7	91.8	94.4	96.8	98.3	99.4	99.4	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 462

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: FEB HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	14.9	15.9	18.1	21.4	26.8	29.8	31.3	33.3	33.5	34.5	34.5	34.7	34.7	34.7	34.7	34.7
GE 20000	16.9	17.9	20.3	23.6	29.6	32.8	34.5	36.9	37.0	38.0	38.0	38.2	38.2	38.2	38.2	38.2
GE 18000	17.4	18.4	20.8	24.5	30.8	34.2	36.0	38.4	38.5	39.5	39.5	39.7	39.7	39.7	39.7	39.7
GE 16000	17.4	18.4	20.8	24.5	30.8	34.2	36.0	38.4	38.5	39.5	39.5	39.7	39.7	39.7	39.7	39.7
GE 14000	18.1	19.1	21.9	25.6	32.0	35.3	37.2	39.7	39.9	40.9	40.9	41.0	41.0	41.0	41.0	41.0
GE 12000	18.4	19.4	22.4	26.3	33.2	36.5	38.4	40.9	41.0	42.0	42.0	42.2	42.2	42.2	42.2	42.2
GE 10000	19.8	20.8	23.8	27.6	35.0	38.4	40.9	43.4	43.6	44.6	44.6	44.7	44.7	44.7	44.7	44.7
GE 9000	20.8	21.8	25.0	28.8	36.3	40.2	42.9	45.4	45.6	46.6	46.6	46.7	46.7	46.7	46.7	46.7
GE 8000	21.9	22.9	26.1	30.7	39.2	43.9	47.1	49.9	50.1	51.3	51.3	51.4	51.4	51.4	51.4	51.4
GE 7000	22.4	23.5	26.8	31.8	40.5	45.2	48.4	51.3	51.4	52.6	52.6	52.8	52.8	52.8	52.8	52.8
GE 6000	22.6	23.6	27.0	32.0	40.7	45.4	48.6	51.4	51.6	52.8	52.8	52.9	52.9	52.9	52.9	52.9
GE 5000	23.5	24.8	28.5	34.0	43.0	47.9	51.4	54.3	54.4	55.6	55.6	55.8	55.8	55.8	55.8	55.8
GE 4500	23.5	24.8	28.5	34.2	43.4	48.2	51.8	54.6	54.8	55.9	55.9	56.1	56.1	56.1	56.1	56.1
GE 4000	27.0	29.0	33.5	39.4	49.1	54.3	57.8	60.6	61.1	62.6	62.6	63.0	63.0	63.0	63.0	63.0
GE 3500	29.1	31.2	35.8	41.7	51.8	57.1	61.0	63.8	64.5	66.0	66.0	66.3	66.3	66.3	66.3	66.3
GE 3000	31.7	33.7	39.0	45.2	56.1	61.8	66.3	69.2	69.8	71.5	71.7	72.2	72.2	72.2	72.2	72.2
GE 2500	33.8	35.8	41.9	48.9	61.0	66.8	71.5	74.4	75.0	76.7	76.9	77.4	77.4	77.4	77.4	77.4
GE 2000	34.8	37.2	44.1	51.3	65.2	71.2	76.2	79.4	80.2	81.9	82.1	82.6	82.6	82.6	82.6	82.6
GE 1800	35.3	37.7	44.6	51.8	65.8	71.9	77.1	80.2	81.1	82.7	83.1	83.6	83.6	83.6	83.6	83.6
GE 1500	35.5	37.9	45.1	52.8	67.7	74.0	79.7	82.9	83.9	85.6	85.9	86.4	86.4	86.4	86.4	86.4
GE 1200	35.8	38.2	45.7	53.9	69.8	76.2	82.2	86.1	87.4	89.9	90.8	91.3	91.5	91.6	91.6	91.6
GE 1000	36.2	38.5	46.4	54.9	72.2	78.6	84.8	88.6	89.9	92.5	93.3	93.8	94.0	94.1	94.1	94.1
GE 900	36.7	39.0	46.9	55.4	72.9	79.2	85.4	89.3	90.6	93.1	94.0	94.6	94.8	95.0	95.0	95.0
GE 800	36.7	39.0	46.9	55.4	73.0	79.4	85.8	89.6	91.0	93.6	94.5	95.1	95.5	95.6	95.6	95.6
GE 700	36.7	39.0	46.9	55.4	73.2	79.6	86.3	90.3	92.1	94.8	95.6	96.3	96.6	96.8	96.8	96.8
GE 600	36.7	39.0	46.9	55.4	73.2	79.6	86.4	90.5	92.3	95.0	96.1	96.8	97.3	97.5	97.5	97.5
GE 500	36.7	39.0	46.9	55.4	73.2	79.6	86.4	90.5	92.3	95.0	96.1	96.8	97.3	97.7	97.7	97.7
GE 400	36.7	39.0	46.9	55.4	73.2	79.6	86.4	90.5	92.3	95.0	96.3	97.0	97.5	97.8	97.8	97.8
GE 300	36.7	39.0	46.9	55.4	73.2	79.6	86.4	90.5	92.3	95.0	96.3	97.0	97.8	98.2	98.2	98.5
GE 200	36.7	39.0	46.9	55.4	73.2	79.6	86.4	90.5	92.3	95.0	96.3	97.0	97.8	98.7	98.7	99.0
GE 100	36.7	39.0	46.9	55.4	73.2	79.6	86.4	90.5	92.3	95.0	96.3	97.0	97.8	98.7	98.8	100.0
GE 000	36.7	39.0	46.9	55.4	73.2	79.6	86.4	90.5	92.3	95.0	96.3	97.0	97.8	98.7	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 597

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: FEB HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	18.6	19.7	23.9	26.6	32.1	33.1	33.8	34.1	34.3	34.8	34.8	34.8	34.8	34.8	34.8	34.8
GE 20000	20.8	21.7	26.6	29.6	35.5	36.5	37.3	37.8	38.0	38.5	38.5	38.5	38.5	38.5	38.5	38.5
GE 18000	21.3	22.2	27.1	30.9	37.3	38.3	39.3	39.8	40.0	40.5	40.5	40.5	40.5	40.5	40.5	40.5
GE 16000	21.3	22.2	27.1	30.9	37.3	38.3	39.3	39.8	40.0	40.5	40.5	40.5	40.5	40.5	40.5	40.5
GE 14000	21.3	22.2	27.1	30.9	37.3	38.3	39.3	39.8	40.0	40.5	40.5	40.5	40.5	40.5	40.5	40.5
GE 12000	21.5	22.4	27.2	31.3	38.0	39.0	40.0	40.5	40.7	41.2	41.2	41.2	41.2	41.2	41.2	41.2
GE 10000	22.2	23.0	28.1	32.3	39.2	40.3	41.3	41.8	42.0	42.5	42.5	42.5	42.5	42.5	42.5	42.5
GE 9000	23.2	24.0	29.1	33.3	40.3	41.5	42.5	43.0	43.2	43.7	43.7	43.7	43.7	43.7	43.7	43.7
GE 8000	24.9	25.7	31.6	36.0	43.9	45.4	46.7	47.2	47.4	47.9	47.9	47.9	47.9	47.9	47.9	47.9
GE 7000	25.2	26.1	32.1	36.6	45.2	46.7	48.1	48.6	48.7	49.2	49.2	49.2	49.2	49.2	49.2	49.2
GE 6000	25.2	26.1	32.1	36.6	45.2	46.7	48.1	48.6	48.7	49.2	49.2	49.2	49.2	49.2	49.2	49.2
GE 5000	26.6	27.4	33.4	38.0	47.6	49.4	50.9	51.4	51.6	52.1	52.1	52.1	52.1	52.1	52.1	52.1
GE 4500	27.4	28.2	34.8	39.3	48.9	50.8	52.3	52.8	52.9	53.4	53.4	53.4	53.4	53.4	53.4	53.4
GE 4000	30.9	32.1	39.3	43.9	54.1	56.1	57.6	58.3	58.5	59.0	59.0	59.0	59.0	59.0	59.0	59.0
GE 3500	33.4	34.6	42.0	46.6	57.0	59.0	60.5	61.2	61.8	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 3000	37.3	38.5	46.9	51.9	63.7	65.7	67.4	68.1	68.7	69.2	69.2	69.2	69.2	69.2	69.2	69.2
GE 2500	41.0	42.2	51.4	56.8	69.6	71.6	73.6	74.5	75.1	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 2000	43.0	44.2	53.8	60.3	74.3	76.5	78.7	79.7	80.5	81.3	81.5	81.5	81.5	81.5	81.5	81.5
GE 1800	43.7	44.9	54.8	61.3	75.5	78.0	80.3	81.3	82.5	83.9	84.0	84.0	84.0	84.0	84.0	84.0
GE 1500	45.5	46.7	57.1	64.0	78.7	82.2	84.5	85.5	86.7	88.1	88.2	88.2	88.2	88.2	88.2	88.2
GE 1200	47.1	48.2	59.2	66.9	82.7	86.2	88.7	90.3	91.6	93.3	93.6	93.6	93.6	93.6	93.6	93.6
GE 1000	47.2	48.4	59.7	67.9	84.0	87.9	90.6	92.1	93.6	95.3	95.6	95.6	95.8	95.8	95.8	95.8
GE 900	47.2	48.4	59.7	67.9	84.2	88.1	90.8	92.3	93.8	95.5	95.8	95.8	96.0	96.0	96.0	96.0
GE 800	47.2	48.4	59.7	68.1	84.4	88.4	91.3	92.9	94.6	96.3	96.6	96.6	96.8	96.8	96.8	96.8
GE 700	47.2	48.4	59.7	68.1	84.4	88.4	91.3	92.9	94.6	96.3	96.6	96.6	96.8	97.0	97.0	97.0
GE 600	47.2	48.4	59.8	68.2	84.5	88.6	91.4	93.1	94.8	96.5	96.8	96.8	97.3	97.5	97.5	97.5
GE 500	47.2	48.4	59.8	68.2	84.5	88.6	91.4	93.1	94.8	96.5	96.8	96.8	97.6	97.8	97.8	97.8
GE 400	47.2	48.4	59.8	68.2	84.5	88.6	91.6	93.3	95.0	96.6	97.1	97.1	98.0	98.2	98.2	98.2
GE 300	47.2	48.4	59.8	68.2	84.5	88.6	91.6	93.3	95.0	96.6	97.1	97.1	98.0	98.5	98.5	98.5
GE 200	47.2	48.4	59.8	68.2	84.5	88.6	91.6	93.3	95.0	96.8	97.5	97.5	98.3	99.0	99.0	99.0
GE 100	47.2	48.4	59.8	68.2	84.5	88.6	91.6	93.3	95.0	96.8	97.8	98.2	99.0	99.8	100.0	100.0
GE 000	47.2	48.4	59.8	68.2	84.5	88.6	91.6	93.3	95.0	96.8	97.8	98.2	99.0	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 595

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: FEB HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CHIL	19.9	22.0	25.3	28.7	33.1	34.0	35.6	35.6	35.6	36.1	36.1	36.1	36.1	36.1	36.1	36.1
GE 20000	21.8	24.0	27.7	32.1	37.2	38.0	39.7	39.7	39.7	40.2	40.2	40.2	40.2	40.2	40.2	40.2
GE 18000	22.3	24.7	28.5	33.1	39.0	40.0	41.7	41.7	41.7	42.2	42.2	42.2	42.2	42.2	42.2	42.2
GE 16000	22.5	24.8	28.7	33.3	39.2	40.2	41.9	41.9	41.9	42.4	42.4	42.4	42.4	42.4	42.4	42.4
GE 14000	23.1	25.7	29.6	34.1	40.0	41.0	42.7	42.7	42.7	43.2	43.2	43.2	43.2	43.2	43.2	43.2
GE 12000	24.2	26.7	30.7	35.5	41.4	42.4	44.1	44.1	44.1	44.6	44.6	44.6	44.6	44.6	44.6	44.6
GE 10000	24.8	27.4	31.6	36.8	42.7	43.8	45.4	45.4	45.4	45.9	45.9	45.9	45.9	45.9	45.9	45.9
GE 9000	25.0	27.5	31.8	37.3	43.2	44.6	46.3	46.3	46.3	46.8	46.8	46.8	46.8	46.8	46.8	46.8
GE 8000	26.9	29.4	34.5	40.2	46.8	48.3	50.0	50.0	50.0	50.5	50.5	50.5	50.5	50.5	50.5	50.5
GE 7000	26.9	29.4	34.5	40.5	47.6	49.2	50.8	50.8	50.8	51.4	51.4	51.4	51.4	51.4	51.4	51.4
GE 6000	26.9	29.4	34.5	40.5	47.6	49.2	50.8	50.8	50.8	51.4	51.4	51.4	51.4	51.4	51.4	51.4
GE 5000	28.0	30.6	35.6	41.7	49.5	51.0	52.7	52.7	52.7	53.2	53.2	53.2	53.2	53.2	53.2	53.2
GE 4500	28.9	31.4	36.8	42.9	50.7	52.2	53.9	53.9	53.9	54.4	54.4	54.4	54.4	54.4	54.4	54.4
GE 4000	34.0	37.2	43.6	50.0	59.1	61.0	62.7	62.7	62.7	63.2	63.2	63.2	63.2	63.2	63.2	63.2
GE 3500	36.8	40.2	46.8	53.5	63.0	64.9	66.6	66.6	66.9	67.4	67.4	67.4	67.4	67.4	67.4	67.4
GE 3000	39.4	42.7	50.0	57.4	68.4	70.4	72.5	72.5	73.0	73.5	73.5	73.5	73.5	73.5	73.5	73.5
GE 2500	42.7	46.1	54.7	62.2	74.5	76.5	78.7	78.7	79.2	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 2000	44.9	48.5	57.6	65.7	78.5	80.6	82.8	82.9	84.1	84.8	85.0	85.0	85.0	85.0	85.0	85.0
GE 1800	45.3	49.0	58.1	66.2	79.1	81.1	83.8	84.0	85.1	85.8	86.0	86.0	86.0	86.0	86.0	86.0
GE 1500	46.5	50.3	60.5	69.4	82.9	85.0	88.0	88.2	89.5	90.7	90.9	90.9	90.9	90.9	90.9	90.9
GE 1200	46.8	50.7	61.7	70.9	85.8	87.8	91.0	91.7	93.2	94.4	94.6	94.6	94.6	94.6	94.6	94.6
GE 1000	47.0	50.8	62.0	71.3	86.3	88.9	92.1	92.7	94.3	95.4	95.6	95.8	95.8	95.8	95.8	95.8
GE 900	47.0	50.8	62.0	71.3	86.5	89.2	92.4	93.1	94.6	95.8	95.9	96.1	96.1	96.1	96.1	96.1
GE 800	47.0	50.8	62.0	71.3	86.8	90.0	93.2	93.9	95.4	96.6	96.8	97.0	97.0	97.0	97.0	97.0
GE 700	47.0	50.8	62.0	71.3	86.8	90.0	93.4	94.1	95.6	96.8	97.0	97.1	97.1	97.3	97.3	97.3
GE 600	47.0	50.8	62.0	71.3	86.8	90.0	93.4	94.1	95.9	97.1	97.3	97.5	97.5	97.6	97.6	97.6
GE 500	47.0	50.8	62.0	71.3	86.8	90.0	93.4	94.1	95.9	97.1	97.5	97.8	98.1	98.5	98.6	98.6
GE 400	47.0	50.8	62.0	71.3	86.8	90.0	93.4	94.1	96.1	97.3	97.6	98.0	98.3	98.6	98.8	98.8
GE 300	47.0	50.8	62.0	71.3	86.8	90.0	93.4	94.1	96.1	97.5	97.8	98.1	98.5	99.0	99.2	99.2
GE 200	47.0	50.8	62.0	71.3	86.8	90.0	93.4	94.1	96.1	97.6	98.0	98.3	98.6	99.3	99.7	99.7
GE 100	47.0	50.8	62.0	71.3	86.8	90.0	93.4	94.1	96.1	97.6	98.1	98.5	99.0	99.7	100.0	100.0
GE 000	47.0	50.8	62.0	71.3	86.8	90.0	93.4	94.1	96.1	97.6	98.1	98.5	99.0	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 592

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: FEB HOUR: 18-20

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CHIL	20.1	21.8	27.1	28.6	35.2	37.9	39.8	41.1	41.1	41.3	41.7	41.7	41.7	41.7	41.7	41.7
GE 20000	22.0	23.7	29.2	31.4	40.5	43.2	45.1	46.4	46.4	46.6	47.0	47.0	47.0	47.0	47.0	47.0
GE 18000	22.0	23.7	29.2	31.4	40.5	43.2	45.1	46.4	46.4	46.6	47.2	47.2	47.2	47.2	47.2	47.2
GE 16000	22.0	23.7	29.2	31.4	40.5	43.2	45.1	46.4	46.4	46.6	47.2	47.2	47.2	47.2	47.2	47.2
GE 14000	22.7	24.4	29.9	32.0	41.1	43.9	45.8	47.0	47.0	47.2	47.9	47.9	47.9	47.9	47.9	47.9
GE 12000	23.3	25.0	30.5	32.6	41.7	44.5	46.4	47.7	47.7	47.9	48.5	48.5	48.5	48.5	48.5	48.5
GE 10000	23.9	25.6	31.1	33.9	43.0	45.8	47.7	48.9	48.9	49.2	49.8	49.8	49.8	49.8	49.8	49.8
GE 9000	23.9	25.6	31.1	34.1	43.6	46.4	48.3	49.6	49.6	49.8	50.4	50.4	50.4	50.4	50.4	50.4
GE 8000	25.0	26.7	32.2	35.4	45.6	48.7	50.6	52.1	52.1	52.3	53.4	53.4	53.4	53.4	53.4	53.4
GE 7000	25.8	27.5	33.1	36.2	46.8	50.0	51.9	53.4	53.4	53.6	54.7	54.7	54.7	54.7	54.7	54.7
GE 6000	26.1	27.8	33.3	36.4	47.0	50.2	52.1	53.6	53.6	53.8	54.9	54.9	54.9	54.9	54.9	54.9
GE 5000	27.5	29.7	35.2	38.3	49.6	52.8	54.7	56.1	56.1	56.4	57.4	57.4	57.4	57.4	57.4	57.4
GE 4500	28.6	30.7	36.7	39.8	51.1	54.2	56.1	57.6	57.6	57.8	58.9	58.9	58.9	58.9	58.9	58.9
GE 4000	35.6	38.1	44.5	48.7	60.4	65.7	67.6	69.1	69.1	69.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 3500	36.7	39.2	46.0	50.2	62.5	68.2	70.1	71.8	71.8	72.0	73.1	73.1	73.1	73.1	73.1	73.1
GE 3000	39.6	42.2	49.4	54.0	69.7	76.3	78.4	80.1	80.1	80.3	81.4	81.4	81.4	81.4	81.4	81.4
GE 2500	42.2	44.7	52.1	57.8	75.2	82.0	84.1	85.8	85.8	86.0	87.1	87.1	87.1	87.1	87.1	87.1
GE 2000	43.2	45.8	53.2	59.1	76.7	83.7	86.0	87.7	87.7	88.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 1800	43.2	45.8	53.2	59.1	76.7	83.7	86.7	88.3	88.3	89.2	90.3	90.3	90.3	90.3	90.3	90.3
GE 1500	43.9	46.6	55.1	61.4	79.2	86.2	89.4	91.1	91.1	92.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 1200	44.1	46.8	55.3	62.1	80.5	87.5	91.1	92.8	92.8	94.3	95.6	96.2	96.2	96.2	96.2	96.2
GE 1000	44.1	46.8	55.3	62.1	80.7	87.7	91.5	93.2	93.9	95.3	96.6	97.2	97.2	97.2	97.2	97.2
GE 900	44.1	46.8	55.5	62.3	80.9	87.9	91.7	93.4	94.1	95.6	96.8	97.5	97.5	97.5	97.5	97.5
GE 800	44.1	46.8	55.5	62.3	80.9	87.9	91.9	93.9	94.5	96.0	97.5	98.1	98.3	98.3	98.3	98.3
GE 700	44.1	46.8	55.5	62.5	81.6	88.6	92.6	94.5	95.1	96.6	98.1	98.7	98.9	98.9	98.9	98.9
GE 600	44.1	46.8	55.5	62.5	81.6	88.6	92.6	94.5	95.1	96.8	98.3	98.9	99.2	99.2	99.2	99.2
GE 500	44.1	46.8	55.5	62.5	81.6	88.6	92.6	94.5	95.1	96.8	98.3	99.4	99.8	99.8	99.8	99.8
GE 400	44.1	46.8	55.5	62.5	81.6	88.6	92.6	94.5	95.1	96.8	98.3	99.4	99.8	99.8	99.8	99.8
GE 300	44.1	46.8	55.5	62.5	81.6	88.6	92.6	94.5	95.1	96.8	98.3	99.4	99.8	99.8	99.8	99.8
GE 200	44.1	46.8	55.5	62.5	81.6	88.6	92.6	94.5	95.1	96.8	98.3	99.4	99.8	100.0	100.0	100.0
GE 100	44.1	46.8	55.5	62.5	81.6	88.6	92.6	94.5	95.1	96.8	98.3	99.4	99.8	100.0	100.0	100.0
GE 000	44.1	46.8	55.5	62.5	81.6	88.6	92.6	94.5	95.1	96.8	98.3	99.4	99.8	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 472

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: FEB HOURS: 21-23

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	22.5	23.9	28.2	29.3	37.9	41.4	42.1	44.3	44.3	44.3	45.0	45.0	45.0	45.0	45.0	45.0
GE 20000	23.9	25.4	29.6	31.4	41.8	45.4	46.1	48.2	48.2	48.2	48.9	48.9	48.9	48.9	48.9	48.9
GE 18000	23.9	25.4	29.6	31.4	41.8	45.4	46.1	48.2	48.2	48.2	48.9	48.9	48.9	48.9	48.9	48.9
GE 16000	23.9	25.4	29.6	31.4	41.8	45.4	46.1	48.2	48.2	48.2	48.9	48.9	48.9	48.9	48.9	48.9
GE 14000	24.3	25.7	30.0	31.8	42.1	45.7	46.4	48.6	48.6	48.6	49.3	49.3	49.3	49.3	49.3	49.3
GE 12000	24.6	26.1	31.1	32.9	43.2	46.8	47.5	49.6	49.6	49.6	50.4	50.4	50.4	50.4	50.4	50.4
GE 10000	25.7	27.1	32.9	34.6	45.0	48.6	49.3	51.4	51.4	51.4	52.1	52.1	52.1	52.1	52.1	52.1
GE 9000	25.7	27.5	33.2	35.0	45.7	49.3	50.0	52.1	52.1	52.1	52.9	52.9	52.9	52.9	52.9	52.9
GE 8000	26.4	28.2	33.9	35.7	47.9	51.4	52.1	54.3	54.3	54.3	55.0	55.0	55.0	55.0	55.0	55.0
GE 7000	27.1	28.9	34.6	36.4	49.3	52.9	53.6	55.7	55.7	55.7	56.4	56.4	56.4	56.4	56.4	56.4
GE 6000	27.1	28.9	34.6	36.4	49.3	52.9	53.6	55.7	55.7	55.7	56.4	56.4	56.4	56.4	56.4	56.4
GE 5000	30.0	31.8	37.5	39.3	52.9	56.8	57.5	60.0	60.0	60.4	61.1	61.1	61.1	61.1	61.1	61.1
GE 4500	31.1	32.9	38.9	40.7	54.6	58.9	59.6	62.1	62.1	62.5	63.2	63.2	63.2	63.2	63.2	63.2
GE 4000	35.7	38.2	44.6	46.4	60.7	66.4	67.1	69.6	69.6	70.0	70.7	70.7	70.7	70.7	70.7	70.7
GE 3500	37.9	40.4	46.8	48.6	63.6	70.0	70.7	73.9	73.9	75.0	75.7	75.7	75.7	75.7	75.7	75.7
GE 3000	40.4	42.9	49.6	51.4	69.3	77.5	78.2	81.4	81.4	82.5	83.2	83.2	83.2	83.2	83.2	83.2
GE 2500	42.9	45.4	52.5	54.6	74.3	83.2	83.9	87.1	87.1	88.2	88.9	88.9	88.9	88.9	88.9	88.9
GE 2000	43.2	46.1	53.6	57.1	77.5	86.4	87.1	90.7	90.7	91.8	92.5	92.5	92.5	92.5	92.5	92.5
GE 1800	43.2	46.1	53.6	57.1	77.5	86.4	87.1	90.7	90.7	91.8	92.5	92.5	92.5	92.5	92.5	92.5
GE 1500	43.2	46.1	54.3	58.6	78.9	87.9	89.3	92.9	92.9	93.9	94.6	94.6	94.6	94.6	94.6	94.6
GE 1200	43.9	46.8	55.7	60.0	80.4	89.6	91.4	95.4	95.4	96.8	97.5	98.2	98.2	98.2	98.2	98.2
GE 1000	43.9	46.8	55.7	60.0	80.4	89.6	91.4	95.4	95.7	97.5	98.2	98.9	98.9	98.9	98.9	98.9
GE 900	43.9	46.8	55.7	60.0	80.4	89.6	91.4	95.4	95.7	97.5	98.2	98.9	98.9	98.9	98.9	98.9
GE 800	43.9	46.8	55.7	60.0	80.4	89.6	91.4	95.4	95.7	97.9	98.6	99.3	99.3	99.3	99.3	99.3
GE 700	43.9	46.8	55.7	60.0	80.7	90.0	91.8	95.7	96.1	98.2	98.9	99.6	99.6	99.6	99.6	99.6
GE 600	43.9	46.8	55.7	60.0	80.7	90.0	91.8	95.7	96.1	98.2	98.9	99.6	99.6	99.6	99.6	99.6
GE 500	43.9	46.8	55.7	60.0	81.1	90.4	92.1	96.1	96.4	98.6	99.3	100.0	100.0	100.0	100.0	100.0
GE 400	43.9	46.8	55.7	60.0	81.1	90.4	92.1	96.1	96.4	98.6	99.3	100.0	100.0	100.0	100.0	100.0
GE 300	43.9	46.8	55.7	60.0	81.1	90.4	92.1	96.1	96.4	98.6	99.3	100.0	100.0	100.0	100.0	100.0
GE 200	43.9	46.8	55.7	60.0	81.1	90.4	92.1	96.1	96.4	98.6	99.3	100.0	100.0	100.0	100.0	100.0
GE 100	43.9	46.8	55.7	60.0	81.1	90.4	92.1	96.1	96.4	98.6	99.3	100.0	100.0	100.0	100.0	100.0
GE 000	43.9	46.8	55.7	60.0	81.1	90.4	92.1	96.1	96.4	98.6	99.3	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 280

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: FEB HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	18.0	19.2	23.1	25.7	31.1	33.1	34.8	35.9	36.0	36.6	36.7	36.8	36.8	36.8	36.8	36.8
GE 20000	19.9	21.1	25.3	28.3	34.6	36.7	38.5	39.7	39.9	40.5	40.6	40.7	40.7	40.7	40.7	40.7
GE 18000	20.2	21.5	25.8	29.0	35.7	37.8	39.7	40.9	41.1	41.6	41.8	41.9	41.9	41.9	41.9	41.9
GE 16000	20.3	21.6	25.8	29.0	35.7	37.9	39.7	40.9	41.1	41.7	41.8	41.9	41.9	41.9	41.9	41.9
GE 14000	20.7	22.0	26.4	29.6	36.3	38.4	40.3	41.5	41.7	42.3	42.5	42.6	42.6	42.6	42.6	42.6
GE 12000	21.2	22.5	27.0	30.4	37.3	39.4	41.3	42.5	42.8	43.3	43.5	43.6	43.6	43.6	43.6	43.6
GE 10000	22.0	23.4	28.1	31.7	38.7	40.9	42.9	44.1	44.4	44.9	45.1	45.2	45.2	45.2	45.2	45.2
GE 9000	22.5	23.9	28.6	32.3	39.5	41.9	43.9	45.2	45.4	46.0	46.1	46.2	46.2	46.2	46.2	46.2
GE 8000	23.7	25.1	30.2	34.2	42.2	44.9	47.2	48.5	48.8	49.4	49.6	49.7	49.7	49.7	49.7	49.7
GE 7000	24.3	25.7	30.8	35.0	43.6	46.3	48.5	49.9	50.1	50.7	50.9	51.0	51.0	51.0	51.0	51.0
GE 6000	24.5	26.0	31.1	35.3	43.8	46.5	48.8	50.1	50.4	51.0	51.2	51.3	51.3	51.3	51.3	51.3
GE 5000	25.9	27.5	32.7	37.0	46.2	49.1	51.4	52.8	53.0	53.7	53.9	54.0	54.0	54.0	54.0	54.0
GE 4500	26.6	28.1	33.6	38.0	47.3	50.2	52.5	53.9	54.1	54.8	55.0	55.1	55.1	55.1	55.1	55.1
GE 4000	31.2	33.2	39.5	44.1	54.3	57.9	60.4	61.9	62.2	62.9	63.2	63.3	63.3	63.3	63.3	63.3
GE 3500	33.4	35.4	41.9	46.7	57.3	61.1	63.7	65.2	65.7	66.5	66.8	66.9	66.9	66.9	66.9	66.9
GE 3000	36.2	38.2	45.3	50.6	62.8	67.1	70.0	71.6	72.1	73.0	73.3	73.5	73.5	73.5	73.5	73.5
GE 2500	39.3	41.4	49.2	55.0	68.5	73.0	76.1	77.7	78.3	79.1	79.5	79.6	79.6	79.6	79.6	79.6
GE 2000	40.8	43.0	51.4	57.8	72.7	77.3	80.5	82.3	83.1	84.2	84.6	84.8	84.8	84.8	84.8	84.8
GE 1800	41.2	43.4	51.9	58.3	73.2	77.9	81.4	83.2	84.0	85.3	85.7	85.9	85.9	85.9	85.9	85.9
GE 1500	41.9	44.2	53.4	60.4	75.8	80.8	84.6	86.4	87.3	88.6	89.1	89.3	89.3	89.3	89.3	89.3
GE 1200	42.5	44.8	54.5	61.9	78.2	83.2	87.4	89.6	90.7	92.5	93.2	93.5	93.6	93.6	93.6	93.6
GE 1000	42.6	44.9	54.9	62.5	79.2	84.4	88.8	91.1	92.4	94.1	94.9	95.3	95.4	95.5	95.5	95.5
GE 900	42.7	45.0	55.0	62.6	79.4	84.7	89.0	91.3	92.7	94.4	95.2	95.7	95.8	95.8	95.8	95.8
GE 800	42.7	45.0	55.0	62.6	79.6	85.0	89.5	91.9	93.2	95.1	95.8	96.3	96.5	96.6	96.6	96.6
GE 700	42.7	45.0	55.0	62.8	79.9	85.4	90.0	92.4	93.9	95.7	96.5	97.0	97.2	97.3	97.3	97.3
GE 600	42.8	45.0	55.1	62.8	80.0	85.4	90.1	92.5	94.1	96.1	97.0	97.5	97.8	97.9	97.9	97.9
GE 500	42.8	45.0	55.1	62.8	80.1	85.5	90.2	92.6	94.2	96.2	97.1	97.7	98.2	98.4	98.4	98.4
GE 400	42.8	45.0	55.1	62.8	80.1	85.5	90.2	92.6	94.3	96.2	97.2	97.9	98.4	98.6	98.6	98.6
GE 300	42.8	45.0	55.1	62.8	80.1	85.5	90.2	92.6	94.3	96.3	97.3	97.9	98.5	98.8	98.8	98.9
GE 200	42.8	45.0	55.1	62.8	80.1	85.5	90.2	92.6	94.3	96.3	97.4	98.0	98.6	99.1	99.2	99.2
GE 100	42.8	45.0	55.1	62.8	80.1	85.5	90.2	92.6	94.3	96.4	97.6	98.4	99.0	99.5	99.7	100.0
GE 000	42.8	45.0	55.1	62.8	80.1	85.5	90.2	92.6	94.3	96.4	97.6	98.4	99.0	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 2998

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAR HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	8.8	9.6	11.9	14.5	21.8	23.5	25.4	26.2	26.8	28.5	29.4	29.8	29.6	30.2	30.2	30.2
GE 20000	10.3	11.1	14.1	17.2	25.0	27.0	29.1	29.8	30.4	32.1	33.1	33.5	33.5	33.8	33.8	33.8
GE 18000	10.5	11.3	14.5	17.6	25.4	27.3	29.4	30.2	30.8	32.5	33.5	33.8	33.8	34.2	34.2	34.2
GE 16000	10.5	11.3	14.5	17.6	25.4	27.3	29.4	30.2	30.8	32.5	33.5	33.8	33.8	34.2	34.2	34.2
GE 14000	10.5	11.3	14.5	17.6	25.4	27.3	29.8	30.6	31.2	32.9	33.8	34.2	34.2	34.6	34.6	34.6
GE 12000	10.9	11.7	15.5	18.5	26.4	28.3	30.8	31.5	32.1	33.8	34.8	35.2	35.2	35.6	35.6	35.6
GE 10000	11.3	12.0	16.3	19.3	27.2	29.1	31.5	32.3	32.9	34.6	35.6	35.9	35.9	36.3	36.3	36.3
GE 9000	12.6	13.4	17.6	20.8	28.7	30.6	33.1	33.8	34.4	36.1	37.1	37.5	37.5	37.9	37.9	37.9
GE 8000	13.6	14.7	20.1	23.3	31.9	34.2	36.9	37.9	38.4	40.5	41.5	41.9	41.9	42.3	42.3	42.3
GE 7000	14.0	15.7	21.0	25.0	33.7	36.1	38.8	40.3	40.9	43.0	44.0	44.4	44.4	44.7	44.7	44.7
GE 6000	14.3	16.1	21.4	25.4	34.0	36.5	39.2	40.7	41.3	43.4	44.4	44.7	44.7	45.1	45.1	45.1
GE 5000	16.8	18.5	25.4	29.6	38.4	41.5	44.4	46.1	46.7	48.8	49.9	50.3	50.3	50.7	50.7	50.7
GE 4500	18.2	20.1	27.0	31.4	40.2	43.2	46.1	47.8	48.4	50.5	51.6	52.0	52.0	52.4	52.4	52.4
GE 4000	21.4	23.3	31.2	35.8	45.5	48.6	51.4	53.5	54.1	56.4	57.9	58.3	58.3	58.7	58.7	58.7
GE 3500	23.7	25.8	34.4	39.4	49.3	52.6	55.4	57.6	58.1	60.4	62.0	62.3	62.3	62.7	62.7	62.7
GE 3000	28.3	30.6	40.3	45.9	57.0	60.8	64.2	66.5	67.1	69.6	71.1	71.7	71.9	72.3	72.3	72.3
GE 2500	30.4	33.1	44.0	50.3	63.5	67.7	71.3	74.2	74.8	77.2	78.8	79.3	79.5	79.9	79.9	79.9
GE 2000	31.5	34.6	46.1	53.5	68.1	72.8	77.4	80.9	81.8	84.9	87.0	87.8	88.0	88.5	88.5	88.5
GE 1800	31.5	34.6	46.1	53.5	68.1	72.8	77.4	80.9	81.8	84.9	87.0	87.8	88.0	88.5	88.5	88.5
GE 1500	31.7	34.8	46.3	53.9	69.4	74.6	79.5	83.7	84.7	87.8	90.4	91.2	91.4	92.0	92.0	92.0
GE 1200	31.7	34.8	46.3	54.1	69.6	75.5	81.1	85.5	86.6	89.9	92.9	93.7	93.9	94.6	94.6	94.6
GE 1000	31.7	34.8	46.3	54.1	69.6	75.9	81.6	86.0	87.2	90.4	93.7	94.5	94.8	95.8	95.8	95.8
GE 900	31.7	34.8	46.3	54.1	69.6	75.9	81.6	86.2	87.4	90.8	94.1	94.8	95.2	96.2	96.2	96.2
GE 800	31.7	34.8	46.3	54.1	69.8	76.1	82.0	86.6	87.8	91.2	94.6	95.4	95.8	96.7	96.7	97.1
GE 700	31.7	34.8	46.3	54.1	69.8	76.7	82.8	87.6	88.7	92.2	95.6	96.4	96.7	97.7	97.7	98.1
GE 600	31.7	34.8	46.3	54.1	69.8	76.7	82.8	88.1	89.3	92.7	96.2	96.9	97.3	98.3	98.3	98.7
GE 500	31.7	34.8	46.3	54.1	69.8	76.7	82.8	88.5	89.9	93.5	96.9	97.7	98.1	99.0	99.0	99.4
GE 400	31.7	34.8	46.3	54.1	69.8	76.7	82.8	88.5	89.9	93.5	96.9	97.7	98.1	99.0	99.0	99.4
GE 300	31.7	34.8	46.3	54.1	69.8	76.7	82.8	88.5	89.9	93.5	96.9	97.7	98.1	99.0	99.0	99.4
GE 200	31.7	34.8	46.3	54.1	69.8	76.7	82.8	88.5	89.9	93.5	96.9	97.7	98.1	99.0	99.0	99.6
GE 100	31.7	34.8	46.3	54.1	69.8	76.7	82.8	88.5	89.9	93.5	96.9	97.7	98.1	99.0	99.0	100.0
GE 000	31.7	34.8	46.3	54.1	69.8	76.7	82.8	88.5	89.9	93.5	96.9	97.7	98.1	99.0	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 523

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAR HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	9.9	10.0	12.6	15.8	24.8	25.7	27.4	28.1	28.7	29.3	29.7	29.7	29.9	29.9	29.9	29.9
GE 20000	11.2	11.4	14.8	18.7	28.3	29.1	30.9	31.7	32.3	32.9	33.3	33.3	33.5	33.5	33.5	33.5
GE 18000	11.2	11.4	15.1	19.0	28.6	29.4	31.2	32.0	32.6	33.2	33.6	33.6	33.8	33.8	33.8	33.8
GE 16000	11.2	11.4	15.1	19.0	28.6	29.4	31.2	32.0	32.6	33.2	33.6	33.6	33.8	33.8	33.8	33.8
GE 14000	11.7	12.0	15.8	19.9	29.7	30.6	32.4	33.2	33.8	34.4	34.8	34.8	35.0	35.0	35.0	35.0
GE 12000	12.4	12.7	16.7	21.2	31.1	32.0	33.8	34.5	35.1	35.7	36.2	36.2	36.3	36.3	36.3	36.3
GE 10000	13.5	13.9	18.2	23.0	33.5	34.7	36.5	37.2	37.8	38.4	38.9	38.9	39.0	39.0	39.0	39.0
GE 9000	14.5	14.9	19.3	24.2	34.7	36.6	38.7	39.6	40.2	40.8	41.3	41.3	41.4	41.4	41.4	41.4
GE 8000	14.9	15.4	20.3	25.4	36.3	38.9	41.1	42.0	42.8	43.5	43.9	43.9	44.1	44.1	44.1	44.1
GE 7000	16.0	16.6	21.8	27.4	38.7	41.6	43.8	44.7	45.4	46.2	46.6	46.6	46.8	46.8	46.8	46.8
GE 6000	16.3	16.9	22.1	27.7	39.0	41.9	44.1	45.0	45.7	46.5	46.9	46.9	47.1	47.1	47.1	47.1
GE 5000	17.9	18.5	23.9	29.7	41.3	44.4	47.1	48.0	48.7	49.5	49.9	49.9	50.1	50.1	50.1	50.1
GE 4500	19.0	19.7	25.3	31.1	42.8	46.0	48.9	49.8	50.5	51.3	51.7	51.7	51.9	51.9	51.9	51.9
GE 4000	24.2	25.1	31.1	37.4	49.9	53.4	56.5	57.4	58.3	59.3	60.1	60.1	60.2	60.2	60.2	60.2
GE 3500	26.8	28.0	34.2	40.7	53.7	57.1	60.2	61.1	62.0	63.1	63.8	63.8	64.0	64.0	64.0	64.0
GE 3000	32.3	33.8	40.8	48.0	62.3	66.5	69.8	71.0	71.9	72.9	73.7	73.7	73.8	73.8	73.8	73.8
GE 2500	34.4	36.0	44.4	52.2	67.1	71.6	75.2	76.4	77.3	78.3	79.1	79.1	79.2	79.2	79.2	79.2
GE 2000	36.8	39.0	49.0	57.1	72.5	77.1	81.6	83.1	84.6	85.7	86.7	86.7	86.8	86.8	86.8	86.8
GE 1800	37.1	39.3	49.6	57.7	73.1	77.9	82.4	84.0	85.7	86.7	87.7	87.7	87.9	87.9	87.9	87.9
GE 1500	37.4	39.6	50.7	58.9	74.9	80.0	84.9	87.4	89.4	90.6	92.2	92.4	92.5	92.5	92.5	92.5
GE 1200	37.5	39.8	51.1	59.6	76.5	81.9	86.8	90.0	91.9	93.4	95.1	95.5	95.7	95.7	95.7	95.7
GE 1000	37.5	39.8	51.1	59.8	76.8	82.4	87.3	90.4	92.4	93.7	95.5	96.0	96.3	96.4	96.4	96.4
GE 900	37.5	39.8	51.1	59.8	76.8	82.4	87.3	90.4	92.4	94.0	95.7	96.1	96.4	96.6	96.6	96.6
GE 800	37.5	39.8	51.1	59.8	76.8	82.7	87.6	90.7	92.7	94.3	96.0	96.4	96.7	96.9	96.9	96.9
GE 700	37.5	39.8	51.1	59.8	77.0	82.8	88.0	91.3	93.4	95.2	96.9	97.3	97.6	97.8	97.8	97.8
GE 600	37.5	39.8	51.1	59.8	77.0	82.8	88.0	91.3	93.4	95.2	96.9	97.3	97.6	97.8	97.8	97.8
GE 500	37.5	39.8	51.1	59.8	77.0	83.0	88.2	91.8	93.9	96.0	97.6	98.1	98.4	98.7	99.0	99.1
GE 400	37.5	39.8	51.1	59.8	77.0	83.0	88.2	91.8	93.9	96.0	97.6	98.1	98.4	98.7	99.0	99.1
GE 300	37.5	39.8	51.1	59.8	77.0	83.0	88.2	91.8	93.9	96.0	97.8	98.2	98.5	98.8	99.1	99.4
GE 200	37.5	39.8	51.1	59.8	77.0	83.0	88.2	91.8	93.9	96.0	97.8	98.2	98.5	98.8	99.4	99.9
GE 100	37.5	39.8	51.1	59.8	77.0	83.0	88.2	91.8	93.9	96.0	97.8	98.2	98.5	98.8	99.4	100.0
GE 000	37.5	39.8	51.1	59.8	77.0	83.0	88.2	91.8	93.9	96.0	97.8	98.2	98.5	98.8	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 669

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAR HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	14.6	14.9	20.8	25.5	29.4	29.9	30.5	30.6	30.6	30.9	30.9	30.9	30.9	30.9	30.9	30.9
GE 20000	19.2	19.5	25.9	30.9	35.0	35.4	36.0	36.2	36.2	36.5	36.5	36.5	36.5	36.5	36.5	36.5
GE 18000	19.5	19.8	26.4	31.4	35.4	35.9	36.5	36.7	36.7	37.0	37.0	37.0	37.0	37.0	37.0	37.0
GE 16000	19.5	19.8	26.4	31.4	35.4	35.9	36.5	36.7	36.7	37.0	37.0	37.0	37.0	37.0	37.0	37.0
GE 14000	19.9	20.2	26.8	31.8	35.9	36.3	37.0	37.1	37.1	37.4	37.4	37.4	37.4	37.4	37.4	37.4
GE 12000	20.8	21.1	27.8	33.2	37.3	37.7	38.3	38.5	38.5	38.8	38.8	38.8	38.8	38.8	38.8	38.8
GE 10000	22.8	23.2	30.3	35.9	40.0	40.4	41.0	41.2	41.2	41.5	41.5	41.5	41.5	41.5	41.5	41.5
GE 9000	23.8	24.3	31.4	37.0	41.5	41.9	42.5	42.7	42.7	43.0	43.0	43.0	43.0	43.0	43.0	43.0
GE 8000	25.6	26.1	33.5	39.2	44.5	44.9	45.6	46.2	46.2	46.5	46.5	46.5	46.5	46.5	46.5	46.5
GE 7000	26.1	26.5	34.1	40.1	45.7	46.5	47.2	47.8	47.8	48.3	48.3	48.3	48.3	48.3	48.3	48.3
GE 6000	26.1	26.5	34.2	40.3	45.9	46.6	47.4	48.0	48.0	48.4	48.4	48.4	48.4	48.4	48.4	48.4
GE 5000	26.8	27.3	35.0	41.0	46.8	47.5	48.3	48.9	48.9	49.3	49.3	49.3	49.3	49.3	49.3	49.3
GE 4500	28.2	28.7	36.7	42.8	48.6	49.3	50.1	50.7	50.7	51.1	51.1	51.1	51.1	51.1	51.1	51.1
GE 4000	34.4	35.3	44.5	50.8	56.9	57.6	58.5	59.3	59.3	59.7	59.7	59.7	59.7	59.7	59.7	59.7
GE 3500	37.9	39.1	48.7	55.5	62.0	62.7	63.7	64.4	64.4	64.9	64.9	64.9	64.9	64.9	64.9	64.9
GE 3000	44.2	45.7	56.3	63.8	71.8	73.0	74.1	74.8	74.8	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 2500	47.5	49.3	61.2	69.2	77.5	78.9	80.2	81.0	81.0	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 2000	49.5	51.4	64.9	73.3	83.6	85.1	86.7	87.5	87.9	88.4	88.8	88.8	88.8	88.8	88.8	88.8
GE 1800	50.4	52.3	65.8	74.7	85.1	86.6	88.5	89.3	89.7	90.3	90.8	90.8	90.8	90.8	90.8	90.8
GE 1500	51.0	52.9	67.3	76.5	87.3	89.1	91.7	92.8	93.2	94.0	94.4	94.4	94.4	94.4	94.4	94.4
GE 1200	51.7	53.7	68.8	78.1	89.1	91.3	94.3	95.6	96.1	97.0	97.4	97.4	97.4	97.4	97.4	97.4
GE 1000	51.7	53.8	69.1	78.6	89.9	92.3	95.3	96.7	97.1	98.2	98.6	98.6	98.6	98.6	98.6	98.8
GE 900	51.9	54.0	69.2	78.7	90.2	92.8	95.8	97.1	97.6	98.6	99.1	99.1	99.1	99.1	99.1	99.2
GE 800	51.9	54.0	69.2	78.7	90.5	93.1	96.1	97.4	98.0	99.1	99.5	99.5	99.5	99.5	99.5	99.7
GE 700	51.9	54.0	69.2	78.7	90.5	93.2	96.2	97.6	98.2	99.2	99.7	99.7	99.7	99.7	99.7	99.8
GE 600	51.9	54.0	69.2	78.7	90.5	93.2	96.2	97.6	98.2	99.2	99.7	99.7	99.7	99.7	99.7	99.8
GE 500	51.9	54.0	69.2	78.7	90.5	93.2	96.2	97.6	98.2	99.2	99.7	99.7	99.7	99.8	99.8	100.0
GE 400	51.9	54.0	69.2	78.7	90.5	93.2	96.2	97.6	98.2	99.2	99.7	99.7	99.7	99.8	99.8	100.0
GE 300	51.9	54.0	69.2	78.7	90.5	93.2	96.2	97.6	98.2	99.2	99.7	99.7	99.7	99.8	99.8	100.0
GE 200	51.9	54.0	69.2	78.7	90.5	93.2	96.2	97.6	98.2	99.2	99.7	99.7	99.7	99.8	99.8	100.0
GE 100	51.9	54.0	69.2	78.7	90.5	93.2	96.2	97.6	98.2	99.2	99.7	99.7	99.7	99.8	99.8	100.0
GE 000	51.9	54.0	69.2	78.7	90.5	93.2	96.2	97.6	98.2	99.2	99.7	99.7	99.7	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 663

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAR HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	21.9	22.9	28.5	31.0	34.6	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9
GE 20000	27.1	28.2	34.1	36.9	40.9	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
GE 18000	27.4	28.5	34.4	37.2	41.2	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
GE 16000	27.4	28.5	34.4	37.2	41.2	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
GE 14000	28.1	29.1	35.0	37.8	41.9	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
GE 12000	29.3	30.4	36.3	39.2	43.3	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
GE 10000	32.2	33.5	39.5	42.5	46.8	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
GE 9000	32.9	34.1	40.2	43.4	47.9	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
GE 8000	34.3	35.7	41.7	45.1	49.9	50.2	50.2	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
GE 7000	35.2	36.6	42.6	46.0	51.2	51.5	51.5	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
GE 6000	35.2	36.6	42.6	46.0	51.6	51.9	51.9	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
GE 5000	37.2	38.6	44.8	48.2	54.0	54.3	54.3	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
GE 4500	38.8	40.2	46.4	49.8	55.7	56.0	56.0	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
GE 4000	46.8	48.2	56.0	59.4	65.9	66.2	66.2	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 3500	51.5	53.0	61.1	65.4	71.9	72.2	72.4	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
GE 3000	56.1	58.0	66.8	72.2	80.2	80.5	80.8	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
GE 2500	59.2	61.6	70.7	76.4	85.1	86.0	86.4	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 2000	62.0	64.5	74.4	80.3	89.3	90.4	91.0	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 1800	62.9	65.7	76.0	81.9	91.2	92.2	92.9	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 1500	63.4	66.2	76.4	82.3	92.1	93.3	94.4	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 1200	63.9	66.7	77.2	83.3	93.3	94.9	96.4	96.9	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 1000	63.9	66.7	77.2	83.3	93.8	95.7	97.4	97.8	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 900	63.9	66.7	77.2	83.3	93.8	95.7	97.4	97.8	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 800	64.2	67.0	77.7	83.7	94.3	96.3	98.0	98.6	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 700	64.2	67.0	77.7	83.7	94.3	96.3	98.0	98.6	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	64.2	67.0	77.7	83.7	94.3	96.3	98.0	98.6	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	64.2	67.0	77.7	83.7	94.3	96.3	98.0	98.6	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	64.2	67.0	77.7	83.7	94.3	96.3	98.0	98.6	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	64.2	67.0	77.7	83.7	94.3	96.3	98.0	98.6	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	64.2	67.0	77.7	83.7	94.3	96.3	98.0	98.6	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	64.2	67.0	77.7	83.7	94.3	96.3	98.0	98.6	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	64.2	67.0	77.7	83.7	94.3	96.3	98.0	98.6	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 645

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAR HOURS: 18-20

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	22.8	24.7	28.7	32.2	39.2	41.6	42.7	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
GE 20000	26.5	28.4	32.8	36.3	43.8	46.4	47.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
GE 18000	26.7	28.7	33.5	37.0	44.4	47.0	48.1	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
GE 16000	26.9	28.9	33.7	37.2	44.6	47.3	48.4	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
GE 14000	27.6	29.5	34.4	37.9	45.3	47.9	49.0	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
GE 12000	28.0	30.0	34.8	38.5	46.0	48.6	49.7	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
GE 10000	29.5	31.7	36.5	40.3	47.7	50.3	51.4	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
GE 9000	30.4	32.8	37.6	41.4	49.0	51.9	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
GE 8000	31.5	33.9	38.9	42.7	50.5	53.4	54.5	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
GE 7000	33.3	35.7	40.7	44.6	52.5	55.4	56.5	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
GE 6000	33.5	35.9	40.9	44.9	52.7	56.5	57.5	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
GE 5000	36.5	38.9	44.2	48.1	56.2	60.2	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
GE 4500	37.2	39.6	44.9	48.8	56.9	60.8	61.9	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
GE 4000	44.4	47.3	53.0	57.5	67.8	72.0	73.3	74.0	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
GE 3500	46.4	49.2	55.6	60.4	71.6	75.7	77.0	77.7	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
GE 3000	49.0	51.9	59.1	64.1	77.5	82.1	83.4	84.0	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 2500	52.1	54.9	62.4	67.6	82.1	86.9	89.1	89.7	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 2000	54.0	56.9	64.3	69.8	84.9	90.2	92.6	93.2	93.4	94.1	94.3	94.3	94.3	94.3	94.3	94.3
GE 1800	54.3	57.1	64.6	70.0	85.1	90.4	93.0	93.7	93.9	94.5	94.7	94.7	94.7	94.7	94.7	94.7
GE 1500	54.7	57.5	65.0	70.5	86.0	91.5	94.3	95.0	95.2	95.8	96.1	96.1	96.1	96.1	96.1	96.1
GE 1200	54.9	57.8	65.2	70.9	86.7	93.4	96.3	97.2	97.4	98.0	98.2	98.2	98.2	98.2	98.2	98.2
GE 1000	54.9	57.8	65.2	70.9	86.7	93.7	96.5	97.4	97.6	98.2	98.5	98.5	98.5	98.5	98.5	98.5
GE 900	54.9	57.8	65.2	70.9	86.7	93.7	96.5	97.4	97.6	98.2	98.5	98.5	98.5	98.5	98.5	98.5
GE 800	54.9	57.8	65.2	70.9	86.7	93.7	96.5	97.4	98.0	98.7	98.9	98.9	99.1	99.1	99.1	99.1
GE 700	54.9	57.8	65.2	70.9	86.7	93.7	96.9	97.8	98.5	99.3	99.6	99.8	100.0	100.0	100.0	100.0
GE 600	54.9	57.8	65.2	70.9	86.7	93.7	96.9	97.8	98.5	99.3	99.6	99.8	100.0	100.0	100.0	100.0
GE 500	54.9	57.8	65.2	70.9	86.7	93.7	96.9	97.8	98.5	99.3	99.6	99.8	100.0	100.0	100.0	100.0
GE 400	54.9	57.8	65.2	70.9	86.7	93.7	96.9	97.8	98.5	99.3	99.6	99.8	100.0	100.0	100.0	100.0
GE 300	54.9	57.8	65.2	70.9	86.7	93.7	96.9	97.8	98.5	99.3	99.6	99.8	100.0	100.0	100.0	100.0
GE 200	54.9	57.8	65.2	70.9	86.7	93.7	96.9	97.8	98.5	99.3	99.6	99.8	100.0	100.0	100.0	100.0
GE 100	54.9	57.8	65.2	70.9	86.7	93.7	96.9	97.8	98.5	99.3	99.6	99.8	100.0	100.0	100.0	100.0
GE 000	54.9	57.8	65.2	70.9	86.7	93.7	96.9	97.8	98.5	99.3	99.6	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 457

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAR HOURS: 21-23

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	19.1	19.9	23.7	25.8	34.3	39.8	40.7	41.1	41.1	41.1	41.9	41.9	41.9	41.9	41.9	41.9
GE 20000	21.2	22.0	26.3	28.4	36.9	42.4	43.6	44.1	44.1	44.1	44.9	44.9	44.9	44.9	44.9	44.9
GE 18000	21.6	22.5	26.7	28.8	37.3	42.8	44.1	44.5	44.5	44.5	45.3	45.3	45.3	45.3	45.3	45.3
GE 16000	21.6	22.5	26.7	28.8	37.3	42.8	44.1	44.5	44.5	44.5	45.3	45.3	45.3	45.3	45.3	45.3
GE 14000	21.6	22.5	26.7	28.8	37.3	42.8	44.1	44.5	44.5	44.5	45.3	45.3	45.3	45.3	45.3	45.3
GE 12000	22.5	23.3	27.5	29.7	38.1	43.6	44.9	45.3	45.3	45.3	46.2	46.2	46.2	46.2	46.2	46.2
GE 10000	24.6	25.4	30.1	32.2	40.7	46.2	47.9	48.3	48.3	48.3	49.2	49.2	49.2	49.2	49.2	49.2
GE 9000	26.7	27.5	32.2	34.3	42.8	48.3	50.0	50.4	50.4	50.4	51.3	51.3	51.3	51.3	51.3	51.3
GE 8000	28.4	29.2	34.3	36.4	45.3	50.8	52.5	53.0	53.0	53.0	53.8	53.8	53.8	53.8	53.8	53.8
GE 7000	30.5	31.4	36.9	39.8	48.7	54.2	55.9	56.4	56.4	56.4	57.2	57.2	57.2	57.2	57.2	57.2
GE 6000	30.5	31.4	36.9	39.8	48.7	54.2	55.9	56.4	56.4	56.4	57.2	57.2	57.2	57.2	57.2	57.2
GE 5000	33.9	34.7	41.1	44.1	53.0	59.3	61.0	61.4	61.4	61.4	62.3	62.3	62.3	62.3	62.3	62.3
GE 4500	34.3	35.6	41.9	44.9	53.8	60.2	61.9	62.3	62.3	62.3	63.1	63.1	63.1	63.1	63.1	63.1
GE 4000	38.6	39.8	46.6	50.4	61.0	67.4	69.1	69.5	70.3	70.3	71.2	71.2	71.2	71.2	71.2	71.2
GE 3500	40.7	41.9	49.6	53.4	65.3	71.6	73.3	73.7	74.6	74.6	75.4	75.4	75.4	75.4	75.4	75.4
GE 3000	43.6	44.9	53.8	58.9	72.9	80.1	81.8	82.2	83.1	83.1	83.9	83.9	83.9	83.9	83.9	83.9
GE 2500	45.3	46.5	55.5	60.6	75.4	83.1	85.6	86.4	87.3	87.3	88.6	88.6	88.6	88.6	88.6	88.6
GE 2000	45.8	47.0	56.4	62.3	79.7	88.6	91.5	93.2	94.5	94.9	96.6	96.6	96.6	96.6	96.6	96.6
GE 1800	45.8	47.0	56.4	62.3	79.7	88.6	91.5	93.2	94.5	94.9	96.6	96.6	96.6	96.6	96.6	96.6
GE 1500	45.8	47.0	56.4	62.3	79.7	88.6	91.5	93.2	94.5	94.9	96.6	96.6	96.6	96.6	96.6	96.6
GE 1200	45.8	47.0	56.4	62.3	79.7	90.3	93.2	94.9	96.2	96.6	98.3	98.3	98.3	98.3	98.3	98.3
GE 1000	45.8	47.0	56.4	62.3	79.7	90.3	93.2	94.9	96.2	96.6	98.3	98.3	98.3	98.3	98.3	98.3
GE 900	45.8	47.0	56.4	62.3	79.7	90.3	93.2	94.9	96.2	96.6	98.3	98.3	98.3	98.3	98.3	98.3
GE 800	45.8	47.0	56.4	62.3	79.7	90.3	93.2	94.9	97.0	97.5	99.2	99.2	99.2	99.2	99.2	99.2
GE 700	45.8	47.0	56.4	62.3	79.7	90.3	93.2	95.8	97.9	98.3	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	45.8	47.0	56.4	62.3	79.7	90.3	93.2	95.8	97.9	98.3	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	45.8	47.0	56.4	62.3	79.7	90.3	93.2	95.8	97.9	98.3	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	45.8	47.0	56.4	62.3	79.7	90.3	93.2	95.8	97.9	98.3	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	45.8	47.0	56.4	62.3	79.7	90.3	93.2	95.8	97.9	98.3	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	45.8	47.0	56.4	62.3	79.7	90.3	93.2	95.8	97.9	98.3	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	45.8	47.0	56.4	62.3	79.7	90.3	93.2	95.8	97.9	98.3	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	45.8	47.0	56.4	62.3	79.7	90.3	93.2	95.8	97.9	98.3	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 236

D - 2 - 20

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAR HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	15.6	16.4	20.5	23.8	30.0	31.4	32.4	32.8	33.0	33.4	33.8	33.8	33.9	33.9	33.9	33.9
GE 20000	18.9	19.6	24.3	27.9	34.5	36.0	37.1	37.5	37.7	38.1	38.5	38.5	38.6	38.6	38.6	38.6
GE 18000	19.1	19.9	24.7	28.3	35.0	36.4	37.5	37.9	38.1	38.6	38.9	38.9	39.0	39.0	39.0	39.0
GE 16000	19.1	19.9	24.8	28.3	35.0	36.4	37.5	37.9	38.1	38.6	38.9	39.0	39.0	39.1	39.1	39.1
GE 14000	19.5	20.3	25.2	28.8	35.5	37.0	38.1	38.5	38.7	39.2	39.5	39.6	39.6	39.7	39.7	39.7
GE 12000	20.3	21.1	26.2	30.0	36.7	38.1	39.3	39.7	39.9	40.4	40.7	40.7	40.8	40.8	40.8	40.8
GE 10000	22.0	22.9	28.2	32.2	39.1	40.6	41.7	42.1	42.3	42.8	43.1	43.2	43.2	43.3	43.3	43.3
GE 9000	23.0	24.0	29.3	33.4	40.4	42.1	43.4	43.8	44.0	44.5	44.8	44.8	44.9	44.9	44.9	44.9
GE 8000	24.2	25.3	31.0	35.2	42.7	44.6	45.9	46.6	46.9	47.4	47.8	47.8	47.9	47.9	47.9	47.9
GE 7000	25.2	26.4	32.3	36.8	44.6	46.6	47.9	48.7	49.0	49.6	49.9	50.0	50.0	50.0	50.0	50.0
GE 6000	25.3	26.5	32.4	37.0	44.8	47.0	48.4	49.1	49.4	50.0	50.3	50.4	50.4	50.5	50.5	50.5
GE 5000	27.3	28.5	34.9	39.5	47.5	49.9	51.4	52.2	52.5	53.1	53.4	53.5	53.5	53.6	53.6	53.6
GE 4500	28.5	29.8	36.2	40.9	49.0	51.4	52.9	53.7	54.0	54.6	54.9	55.0	55.0	55.1	55.1	55.1
GE 4000	34.4	35.9	43.2	48.2	57.3	59.8	61.4	62.3	62.7	63.4	63.8	63.9	63.9	64.0	64.0	64.0
GE 3500	37.4	39.1	46.9	52.3	61.8	64.3	66.0	66.9	67.3	68.0	68.4	68.5	68.5	68.6	68.6	68.6
GE 3000	42.2	44.0	52.8	58.9	70.0	73.0	74.8	75.8	76.2	76.9	77.4	77.5	77.5	77.6	77.6	77.6
GE 2500	44.8	46.9	56.5	63.1	75.1	78.4	80.6	81.7	82.1	82.8	83.3	83.4	83.5	83.6	83.6	83.6
GE 2000	46.8	49.2	59.7	66.8	79.8	83.5	86.2	87.5	88.2	89.2	90.0	90.1	90.2	90.3	90.3	90.3
GE 1800	47.3	49.7	60.4	67.5	80.6	84.3	87.2	88.5	89.3	90.2	91.0	91.2	91.2	91.3	91.3	91.3
GE 1500	47.6	50.1	61.1	68.4	82.0	86.0	89.2	90.9	91.7	92.8	93.8	94.0	94.0	94.1	94.1	94.1
GE 1200	47.9	50.4	61.7	69.2	83.1	87.7	91.2	93.2	94.0	95.3	96.4	96.6	96.6	96.8	96.8	96.8
GE 1000	47.9	50.4	61.7	69.3	83.4	88.3	91.8	93.8	94.7	96.0	97.2	97.4	97.5	97.7	97.7	97.7
GE 900	48.0	50.5	61.8	69.3	83.5	88.3	91.9	94.0	94.9	96.2	97.3	97.6	97.7	97.9	97.9	97.9
GE 800	48.0	50.5	61.9	69.4	83.7	88.6	92.2	94.3	95.4	96.7	97.9	98.1	98.3	98.5	98.5	98.6
GE 700	48.0	50.5	61.9	69.4	83.7	88.8	92.5	94.7	95.8	97.3	98.5	98.7	98.9	99.1	99.1	99.2
GE 600	48.0	50.5	61.9	69.4	83.7	88.8	92.5	94.8	95.9	97.4	98.6	98.8	99.0	99.2	99.2	99.3
GE 500	48.0	50.5	61.9	69.4	83.7	88.8	92.6	95.0	96.1	97.7	98.9	99.1	99.3	99.5	99.6	99.7
GE 400	48.0	50.5	61.9	69.4	83.7	88.8	92.6	95.0	96.1	97.7	98.9	99.1	99.3	99.5	99.6	99.7
GE 300	48.0	50.5	61.9	69.4	83.7	88.8	92.6	95.0	96.1	97.7	98.9	99.2	99.3	99.6	99.6	99.8
GE 200	48.0	50.5	61.9	69.4	83.7	88.8	92.6	95.0	96.1	97.7	98.9	99.2	99.3	99.6	99.7	99.9
GE 100	48.0	50.5	61.9	69.4	83.7	88.8	92.6	95.0	96.1	97.7	98.9	99.2	99.3	99.6	99.7	100.0
GE 000	48.0	50.5	61.9	69.4	83.7	88.8	92.6	95.0	96.1	97.7	98.9	99.2	99.3	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 3193

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: APR HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	19.2	20.9	25.7	29.8	35.5	36.9	37.4	37.5	37.7	37.7	37.7	37.7	37.7	38.0	38.1	38.6
GE 20000	20.9	22.9	27.9	32.2	39.1	40.6	41.1	41.4	41.6	41.6	41.7	41.7	41.7	42.0	42.2	42.6
GE 18000	21.2	23.3	28.4	32.7	39.7	41.4	41.9	42.2	42.3	42.3	42.5	42.5	42.5	42.8	42.9	43.4
GE 16000	21.2	23.3	28.4	32.7	39.7	41.4	41.9	42.2	42.3	42.3	42.5	42.5	42.5	42.8	42.9	43.4
GE 14000	21.2	23.3	28.7	33.2	40.2	41.9	42.3	42.6	42.8	42.8	42.9	42.9	42.9	43.3	43.4	43.9
GE 12000	21.4	23.4	29.0	33.5	40.6	42.3	42.8	43.1	43.3	43.4	43.7	43.7	43.7	44.0	44.2	44.7
GE 10000	22.2	24.2	30.1	34.9	42.9	44.7	45.3	45.6	45.7	45.9	46.2	46.2	46.2	46.5	46.7	47.1
GE 9000	23.6	25.6	31.8	36.7	45.0	46.7	47.3	47.6	47.8	47.9	48.2	48.2	48.2	48.5	48.7	49.1
GE 8000	25.7	27.9	34.4	39.7	49.3	51.2	51.9	52.4	52.6	52.7	53.0	53.0	53.0	53.3	53.5	54.1
GE 7000	28.1	30.2	37.2	43.4	53.5	55.5	56.7	57.2	57.8	58.0	58.3	58.3	58.3	58.6	58.8	59.4
GE 6000	28.2	30.4	37.4	43.6	53.8	55.8	57.1	57.5	58.1	58.3	58.6	58.6	58.6	58.9	59.1	59.7
GE 5000	31.5	33.6	41.9	48.5	58.9	60.9	62.2	62.6	63.3	63.4	63.7	63.7	63.7	64.0	64.2	64.8
GE 4500	31.8	34.3	42.9	49.9	60.6	62.8	64.2	65.0	65.6	65.7	66.0	66.0	66.0	66.4	66.5	67.1
GE 4000	33.8	36.7	46.4	53.6	65.9	68.4	69.9	70.7	71.5	71.9	72.2	72.2	72.2	72.6	72.7	73.3
GE 3500	36.3	39.2	49.5	56.7	69.6	72.1	73.6	74.7	75.7	76.1	76.4	76.4	76.4	76.7	76.9	77.5
GE 3000	38.4	41.7	52.4	59.8	74.0	76.7	78.4	79.7	81.1	81.7	82.0	82.0	82.0	82.3	82.5	83.1
GE 2500	39.2	42.5	53.8	61.4	75.7	78.4	80.8	82.3	83.9	84.5	84.8	84.8	84.8	85.1	85.3	86.2
GE 2000	40.3	43.6	55.3	63.4	78.3	81.6	84.5	86.0	87.6	88.2	89.0	89.0	89.0	89.3	89.5	90.4
GE 1800	40.5	43.7	55.7	63.7	79.1	82.3	85.3	86.8	88.4	89.0	89.9	89.9	89.9	90.2	90.4	91.3
GE 1500	40.8	44.0	56.1	64.3	79.7	83.4	87.1	88.7	90.2	90.9	91.8	91.8	91.8	92.1	92.2	93.2
GE 1200	40.8	44.0	56.1	64.3	80.2	83.9	87.8	89.3	91.0	91.8	93.0	93.0	93.0	93.3	93.5	94.4
GE 1000	40.9	44.2	56.3	64.5	80.6	84.3	88.5	90.1	91.9	92.7	94.0	94.0	94.0	94.3	94.4	95.3
GE 900	40.9	44.2	56.4	64.7	80.9	84.7	88.8	90.4	92.2	93.0	94.3	94.3	94.3	94.6	94.7	95.7
GE 800	40.9	44.2	56.4	64.7	80.9	84.7	88.8	90.4	92.4	93.3	94.6	94.6	94.7	95.0	95.2	96.1
GE 700	40.9	44.2	56.4	64.7	80.9	84.8	89.3	91.0	93.0	94.1	95.3	95.3	95.5	95.8	96.0	96.9
GE 600	40.9	44.2	56.4	64.7	80.9	84.8	89.3	91.0	93.0	94.1	95.3	95.3	95.5	95.8	96.0	97.1
GE 500	40.9	44.2	56.4	64.7	80.9	84.8	89.3	91.3	93.5	94.6	96.0	96.0	96.4	96.7	96.9	98.1
GE 400	40.9	44.2	56.4	64.7	80.9	84.8	89.3	91.5	93.6	94.7	96.3	96.3	96.7	97.2	97.4	98.6
GE 300	40.9	44.2	56.4	64.7	80.9	84.8	89.3	91.5	93.6	94.9	96.4	96.4	96.9	97.4	97.5	99.1
GE 200	40.9	44.2	56.4	64.7	80.9	84.8	89.3	91.5	93.6	94.9	96.4	96.4	96.9	97.4	97.5	99.4
GE 100	40.9	44.2	56.4	64.7	80.9	84.8	89.3	91.5	93.6	94.9	96.4	96.4	96.9	97.4	97.5	100.0
GE 000	40.9	44.2	56.4	64.7	80.9	84.8	89.3	91.5	93.6	94.9	96.4	96.4	96.9	97.4	97.5	100.0

TOTAL NUMBER OF OBSERVATIONS 645

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: APR HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	23.8	24.9	29.3	32.2	34.7	35.1	35.1	35.2	35.3	35.4	35.4	35.5	35.5	35.5	35.5	35.7
GE 20000	27.8	28.8	33.7	36.9	39.6	39.9	39.9	40.1	40.1	40.2	40.2	40.4	40.4	40.4	40.4	40.5
GE 18000	28.4	29.4	34.4	37.6	40.4	40.7	40.7	40.8	40.8	41.0	41.0	41.1	41.1	41.1	41.1	41.3
GE 16000	28.7	29.7	34.7	37.9	40.7	41.0	41.0	41.1	41.1	41.3	41.3	41.4	41.4	41.4	41.4	41.6
GE 14000	28.7	29.7	34.9	38.1	40.8	41.1	41.1	41.3	41.3	41.4	41.4	41.6	41.6	41.6	41.6	41.7
GE 12000	29.6	30.7	36.1	39.3	42.0	42.5	42.8	43.1	43.1	43.4	43.4	43.6	43.6	43.6	43.6	43.7
GE 10000	31.1	32.2	37.6	41.1	44.6	45.2	45.7	46.0	46.0	46.3	46.3	46.4	46.4	46.4	46.4	46.6
GE 9000	32.8	33.8	39.3	42.9	46.7	47.3	47.7	48.1	48.1	48.4	48.4	48.6	48.6	48.6	48.6	48.7
GE 8000	35.1	36.1	42.6	47.0	51.6	52.2	53.0	53.3	53.3	53.6	53.6	53.7	53.7	53.7	53.7	53.9
GE 7000	36.4	37.5	44.6	49.5	54.2	54.8	55.7	56.1	56.3	56.6	56.6	56.8	56.8	56.8	56.8	56.9
GE 6000	36.9	37.9	45.2	50.1	54.8	55.4	56.4	56.9	57.1	57.4	57.4	57.5	57.5	57.5	57.5	57.7
GE 5000	39.3	40.5	48.0	53.1	58.1	58.7	59.8	60.2	60.4	60.7	60.7	60.8	60.8	60.8	60.8	61.0
GE 4500	39.9	41.1	48.7	54.0	59.3	59.9	61.2	61.6	61.8	62.1	62.1	62.2	62.2	62.2	62.2	62.4
GE 4000	42.5	44.6	52.8	58.1	64.2	64.9	66.2	66.6	66.8	67.1	67.1	67.2	67.2	67.2	67.2	67.4
GE 3500	45.4	47.6	55.8	61.2	68.4	69.3	70.7	71.2	71.3	71.6	71.6	71.8	71.8	71.8	71.8	71.9
GE 3000	50.7	53.1	62.2	67.8	75.7	76.8	78.8	79.5	79.7	80.1	80.1	80.3	80.3	80.3	80.3	80.4
GE 2500	52.7	55.2	64.5	70.1	78.5	79.5	81.6	82.4	82.5	83.0	83.0	83.2	83.2	83.2	83.2	83.3
GE 2000	56.0	58.7	68.9	75.0	83.9	85.1	87.4	88.2	88.3	88.8	89.1	89.4	89.4	89.4	89.4	89.5
GE 1800	56.6	59.3	69.8	76.2	85.4	86.6	88.9	89.7	89.8	90.3	90.6	90.9	90.9	90.9	90.9	91.0
GE 1500	57.4	60.2	71.2	77.5	86.9	88.2	90.7	91.5	91.7	92.4	92.7	93.0	93.0	93.0	93.0	93.2
GE 1200	57.7	60.5	72.1	78.6	88.6	90.1	93.0	93.8	93.9	94.7	95.1	95.4	95.4	95.4	95.4	95.6
GE 1000	57.7	60.5	72.2	78.9	89.1	90.7	93.8	94.5	94.7	95.4	95.9	96.2	96.2	96.2	96.2	96.4
GE 900	57.7	60.5	72.2	78.9	89.1	90.7	93.9	94.8	95.0	95.8	96.2	96.5	96.7	96.7	96.7	96.8
GE 800	57.7	60.5	72.2	78.9	89.1	90.9	94.1	95.0	95.1	95.9	96.4	96.7	96.8	96.8	96.8	97.0
GE 700	57.7	60.5	72.2	78.9	89.2	91.4	94.7	95.9	96.4	97.1	97.6	97.9	98.0	98.0	98.0	98.2
GE 600	57.7	60.5	72.2	78.9	89.2	91.4	94.7	95.9	96.4	97.1	97.6	97.9	98.0	98.0	98.0	98.2
GE 500	57.7	60.5	72.2	78.9	89.2	91.4	94.8	96.1	96.5	97.3	97.9	98.2	98.6	98.6	98.8	98.9
GE 400	57.7	60.5	72.2	78.9	89.2	91.5	95.1	96.5	97.1	97.9	98.5	98.8	99.2	99.2	99.4	99.5
GE 300	57.7	60.5	72.2	78.9	89.2	91.5	95.1	96.5	97.3	98.2	98.8	99.1	99.7	99.7	99.8	100.0
GE 200	57.7	60.5	72.2	78.9	89.2	91.5	95.1	96.5	97.3	98.2	98.8	99.1	99.7	99.7	99.8	100.0
GE 100	57.7	60.5	72.2	78.9	89.2	91.5	95.1	96.5	97.3	98.2	98.8	99.1	99.7	99.7	99.8	100.0
GE 000	57.7	60.5	72.2	78.9	89.2	91.5	95.1	96.5	97.3	98.2	98.8	99.1	99.7	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 659

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: APR HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	28.5	29.8	32.4	34.0	34.8	34.8	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
GE 20000	34.8	36.2	39.4	41.1	42.5	42.5	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
GE 18000	35.3	36.7	39.9	41.6	42.9	42.9	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
GE 16000	35.3	36.7	39.9	41.6	42.9	42.9	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
GE 14000	35.4	36.8	40.0	41.7	43.1	43.1	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
GE 12000	36.7	38.0	41.9	43.6	45.1	45.1	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
GE 10000	38.0	39.4	43.4	45.2	46.8	46.8	47.4	47.4	47.4	47.5	47.5	47.5	47.5	47.5	47.5	47.5
GE 9000	39.6	41.0	45.1	46.9	48.5	48.5	49.1	49.1	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2
GE 8000	44.9	46.3	50.6	52.6	54.1	54.1	54.8	54.8	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9
GE 7000	46.6	48.0	52.5	54.4	56.0	56.0	56.6	56.6	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7
GE 6000	46.8	48.2	52.6	54.6	56.1	56.1	56.7	56.7	56.7	56.9	56.9	56.9	56.9	56.9	56.9	56.9
GE 5000	48.8	50.2	54.9	56.9	58.4	58.4	59.2	59.2	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5
GE 4500	51.2	52.8	57.7	59.7	61.3	61.3	62.1	62.1	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 4000	55.1	56.9	62.0	64.0	66.3	66.3	67.0	67.0	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3
GE 3500	60.1	62.4	67.5	69.5	72.5	72.5	73.3	73.3	73.6	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 3000	68.1	71.3	77.0	79.9	83.9	84.0	84.8	85.3	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 2500	70.1	73.5	79.8	82.8	87.3	87.4	88.2	88.7	88.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 2000	73.6	77.0	83.3	87.0	92.3	92.6	93.6	94.2	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 1800	73.9	77.3	83.6	87.4	93.1	93.4	94.3	94.9	95.1	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 1500	74.1	77.5	84.7	88.7	94.5	94.9	95.9	96.5	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 1200	75.0	78.4	85.7	89.9	95.7	96.3	97.2	97.9	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1000	75.0	78.4	85.9	90.0	95.9	96.5	97.4	98.0	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 900	75.0	78.4	85.9	90.0	96.0	96.6	97.7	98.6	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 800	75.0	78.4	85.9	90.0	96.0	96.6	97.7	98.6	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 700	75.0	78.4	85.9	90.0	96.2	96.8	97.9	98.8	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 600	75.0	78.4	85.9	90.0	96.2	96.9	98.2	99.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	75.0	78.4	85.9	90.0	96.2	97.1	98.5	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	75.0	78.4	85.9	90.0	96.2	97.1	98.5	99	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	75.0	78.4	85.9	90.0	96.2	97.1	98.5	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	75.0	78.4	85.9	90.0	96.2	97.1	98.5	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	75.0	78.4	85.9	90.0	96.2	97.1	98.5	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	75.0	78.4	85.9	90.0	96.2	97.1	98.5	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 652

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: APR HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	32.3	33.9	35.7	37.2	38.5	38.5	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
GE 20000	41.0	42.8	44.8	46.4	47.9	47.9	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
GE 18000	41.3	43.1	45.1	46.7	48.2	48.2	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
GE 16000	41.3	43.1	45.1	46.7	48.2	48.2	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
GE 14000	41.3	43.1	45.1	46.7	48.2	48.2	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
GE 12000	42.1	43.9	45.9	47.5	49.2	49.2	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
GE 10000	46.1	47.9	49.8	51.6	53.4	53.4	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
GE 9000	48.2	50.0	52.1	53.9	55.7	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
GE 8000	52.3	54.4	56.6	58.5	60.3	60.3	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
GE 7000	53.9	56.2	58.4	60.3	62.6	62.8	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
GE 6000	54.9	57.2	59.3	61.3	63.6	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
GE 5000	56.4	58.7	61.3	63.3	65.7	65.9	66.1	66.1	66.4	66.6	66.6	66.6	66.6	66.6	66.6	66.6
GE 4500	57.5	60.0	62.6	64.6	67.0	67.2	67.4	67.4	67.7	67.9	67.9	67.9	67.9	67.9	67.9	67.9
GE 4000	64.3	67.0	70.8	73.0	75.6	75.7	76.1	76.1	76.4	76.6	76.6	76.6	76.6	76.6	76.6	76.6
GE 3500	69.2	72.3	76.4	78.7	81.8	82.0	82.3	82.3	82.8	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 3000	74.9	78.7	82.8	85.1	88.7	89.0	89.7	89.7	90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 2500	76.6	80.5	84.6	87.2	90.8	91.1	91.8	91.8	92.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 2000	78.5	82.6	87.0	90.5	94.4	94.9	95.6	95.6	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 1800	78.7	82.8	87.2	90.7	94.8	95.4	96.1	96.1	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 1500	79.2	83.3	88.0	91.6	95.9	96.9	97.5	97.5	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1200	79.7	83.8	88.5	92.5	96.7	97.7	98.5	98.5	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1000	79.7	83.8	88.5	92.5	96.7	97.7	98.5	98.5	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 900	79.7	83.8	88.5	92.5	97.0	98.0	98.9	99.0	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 800	79.7	83.8	88.5	92.5	97.0	98.0	98.9	99.0	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 700	79.7	83.8	88.5	92.5	97.0	98.0	98.9	99.0	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 600	79.7	83.8	88.5	92.5	97.0	98.4	99.3	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	79.7	83.8	88.5	92.5	97.0	98.4	99.3	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	79.7	83.8	88.5	92.5	97.0	98.4	99.3	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	79.7	83.8	88.5	92.5	97.0	98.4	99.3	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	79.7	83.8	88.5	92.5	97.0	98.4	99.3	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	79.7	83.8	88.5	92.5	97.0	98.4	99.3	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	79.7	83.8	88.5	92.5	97.0	98.4	99.3	99.5	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 610

OPERATING LOCATION: "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: APR HOURS: 18-20

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	34.5	35.1	35.7	36.3	38.0	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2
GE 20000	43.5	44.1	45.6	46.2	48.9	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
GE 18000	43.5	44.1	45.6	46.2	48.9	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
GE 16000	43.5	44.1	45.6	46.2	48.9	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
GE 14000	44.2	44.8	46.4	47.0	49.7	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
GE 12000	45.0	45.6	47.2	47.8	50.5	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
GE 10000	49.7	50.3	51.9	52.4	55.4	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
GE 9000	50.9	51.5	53.0	54.0	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
GE 8000	54.2	55.0	56.9	57.9	61.0	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
GE 7000	55.8	56.5	59.1	60.0	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
GE 6000	57.7	58.9	61.4	62.4	65.7	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
GE 5000	61.0	62.2	64.9	66.1	69.6	69.8	69.8	69.8	70.0	70.2	70.2	70.2	70.2	70.2	70.2	70.2
GE 4500	64.1	65.3	68.0	69.2	72.7	73.1	73.1	73.1	73.3	73.5	73.5	73.5	73.5	73.5	73.5	73.5
GE 4000	70.8	72.1	76.0	77.2	81.9	82.3	82.3	82.3	82.5	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 3500	74.9	76.2	80.7	81.9	87.5	87.9	87.9	87.9	88.1	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE 3000	77.8	79.1	84.0	85.4	92.0	93.0	93.2	93.2	93.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6
GE 2500	78.6	79.9	84.8	86.2	93.2	94.3	94.5	94.5	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 2000	78.9	80.3	85.4	86.9	94.5	95.7	95.9	95.9	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 1800	79.3	80.7	85.8	87.3	94.9	96.1	96.3	96.3	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 1500	79.5	80.9	86.2	87.9	96.1	97.5	97.7	97.7	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1200	79.7	81.1	86.4	88.1	96.7	98.1	98.2	98.2	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 1000	79.7	81.1	86.4	88.1	96.9	98.2	98.6	98.6	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 900	79.7	81.1	86.4	88.3	97.1	98.4	98.8	98.8	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 800	79.7	81.1	86.4	88.3	97.1	98.4	98.8	98.8	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 700	79.7	81.1	86.4	88.3	97.1	98.4	98.8	98.8	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 600	79.7	81.1	86.4	88.3	97.1	98.4	98.8	98.8	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 500	79.7	81.1	86.4	88.3	97.1	98.4	98.8	98.8	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 400	79.7	81.1	86.4	88.3	97.1	98.4	98.8	98.8	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 300	79.7	81.1	86.4	88.3	97.1	98.6	99.0	99.0	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	79.7	81.1	86.4	88.3	97.1	98.6	99.0	99.0	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	79.7	81.1	86.4	88.3	97.1	98.6	99.0	99.0	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	79.7	81.1	86.4	88.3	97.1	98.6	99.0	99.0	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 513

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: APR HOURS: 21-23

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	34.3	35.4	36.5	37.3	39.1	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
GE 20000	42.1	43.2	44.3	45.0	48.0	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
GE 18000	42.4	43.5	44.6	45.4	48.3	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
GE 16000	42.4	43.5	44.6	45.4	48.3	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
GE 14000	42.4	43.9	45.0	45.8	48.7	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
GE 12000	43.2	44.6	45.8	46.5	49.4	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
GE 10000	45.8	47.2	48.7	49.4	52.4	54.2	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
GE 9000	45.8	47.2	48.7	50.2	53.5	55.4	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
GE 8000	45.8	47.6	49.1	50.9	54.6	56.8	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
GE 7000	48.7	50.6	52.0	55.4	59.0	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 6000	53.1	55.0	56.5	59.8	63.5	65.7	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
GE 5000	56.1	57.9	60.1	63.8	67.9	70.5	70.8	70.8	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
GE 4500	58.7	60.5	63.1	66.8	70.8	73.4	73.8	73.8	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
GE 4000	65.7	67.5	72.0	76.4	80.8	83.4	83.8	83.8	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
GE 3500	67.9	69.7	74.2	78.6	83.0	86.0	86.3	86.3	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 3000	68.6	70.5	76.8	81.2	87.5	91.1	91.5	91.5	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 2500	69.4	71.2	77.5	81.9	88.9	92.6	93.0	93.4	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 2000	69.4	71.2	78.2	82.7	90.4	94.1	94.5	94.8	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 1800	70.1	72.0	79.0	83.4	91.5	95.2	95.6	95.9	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 1500	70.5	72.3	79.3	83.8	91.9	95.6	96.3	96.7	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1200	70.5	72.3	79.3	83.8	93.0	96.7	97.8	98.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1000	70.5	72.3	79.3	83.8	93.4	97.0	98.2	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	70.5	72.3	79.3	83.8	93.4	97.0	98.2	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	70.5	72.3	79.3	83.8	93.4	97.0	98.2	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	70.5	72.3	79.3	83.8	93.4	97.0	98.2	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	70.5	72.3	79.3	83.8	93.4	97.0	98.2	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	70.5	72.3	79.3	83.8	93.4	97.0	98.2	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	70.5	72.3	79.3	83.8	93.4	97.0	98.2	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	70.5	72.3	79.3	83.8	93.4	97.0	98.2	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	70.5	72.3	79.3	83.8	93.4	97.0	98.2	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	70.5	72.3	79.3	83.8	93.4	97.0	98.2	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	70.5	72.3	79.3	83.8	93.4	97.0	98.2	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 271

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: APR HOURS: A..L

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	27.9	29.1	31.9	34.0	36.4	36.9	37.1	37.2	37.2	37.3	37.3	37.3	37.3	37.3	37.4	37.5
GE 20000	33.8	35.2	38.4	40.6	43.7	44.2	44.4	44.5	44.5	44.6	44.6	44.6	44.6	44.7	44.7	44.8
GE 18000	34.1	35.5	38.8	41.0	44.1	44.7	44.9	45.0	45.0	45.0	45.1	45.1	45.1	45.2	45.2	45.3
GE 16000	34.2	35.6	38.9	41.1	44.2	44.7	45.0	45.0	45.1	45.1	45.1	45.2	45.2	45.2	45.3	45.4
GE 14000	34.4	35.8	39.1	41.4	44.5	45.0	45.3	45.3	45.4	45.4	45.4	45.5	45.5	45.5	45.6	45.7
GE 12000	35.1	36.5	40.1	42.4	45.6	46.1	46.4	46.5	46.6	46.7	46.7	46.7	46.7	46.8	46.8	47.0
GE 10000	37.5	38.9	42.6	45.0	48.6	49.2	49.6	49.7	49.8	49.9	49.9	50.0	50.0	50.0	50.1	50.2
GE 9000	39.0	40.4	44.2	46.8	50.5	51.1	51.5	51.6	51.6	51.8	51.8	51.9	51.9	51.9	51.9	52.1
GE 8000	42.1	43.7	47.9	50.8	54.9	55.6	56.1	56.2	56.3	56.4	56.4	56.5	56.5	56.5	56.6	56.7
GE 7000	43.9	45.5	50.0	53.3	57.7	58.5	59.1	59.3	59.4	59.5	59.6	59.6	59.6	59.7	59.7	59.9
GE 6000	44.9	46.6	51.1	54.4	58.8	59.6	60.2	60.4	60.5	60.7	60.7	60.7	60.7	60.8	60.8	61.0
GE 5000	47.4	49.1	54.1	57.7	62.3	63.0	63.7	63.9	64.2	64.4	64.4	64.5	64.5	64.5	64.6	64.7
GE 4500	49.0	50.7	56.0	59.6	64.4	65.2	65.9	66.1	66.5	66.7	66.7	66.7	66.7	66.8	66.8	67.0
GE 4000	53.4	55.6	61.7	65.5	71.0	72.0	72.7	73.0	73.3	73.6	73.6	73.7	73.7	73.7	73.8	73.9
GE 3500	57.2	59.6	65.9	69.7	76.0	77.0	77.8	78.1	78.5	78.8	78.8	78.9	78.9	78.9	79.0	79.1
GE 3000	61.7	64.5	71.5	75.6	82.8	84.1	85.1	85.6	86.1	86.4	86.4	86.4	86.4	86.5	86.5	86.7
GE 2500	63.1	66.0	73.2	77.4	85.0	86.3	87.5	88.1	88.6	88.9	88.9	89.0	89.0	89.0	89.0	89.3
GE 2000	65.1	68.0	75.7	80.4	88.5	90.0	91.4	92.0	92.6	92.9	93.1	93.2	93.2	93.3	93.3	93.5
GE 1800	65.5	68.4	76.1	80.9	89.3	90.9	92.2	92.8	93.4	93.8	94.0	94.1	94.1	94.1	94.1	94.4
GE 1500	65.9	68.8	76.9	81.8	90.4	92.2	93.8	94.4	95.0	95.4	95.6	95.7	95.7	95.7	95.8	96.0
GE 1200	66.2	69.2	77.4	82.4	91.4	93.3	95.0	95.6	96.2	96.7	97.0	97.0	97.0	97.1	97.1	97.3
GE 1000	66.2	69.2	77.5	82.6	91.7	93.6	95.4	96.0	96.7	97.1	97.4	97.5	97.5	97.6	97.6	97.8
GE 900	66.2	69.2	77.6	82.6	91.9	93.7	95.7	96.4	97.0	97.5	97.8	97.9	97.9	97.9	98.0	98.2
GE 800	66.2	69.2	77.6	82.6	91.9	93.8	95.7	96.4	97.1	97.6	97.9	97.9	98.0	98.1	98.1	98.3
GE 700	66.2	69.2	77.6	82.6	91.9	93.9	95.9	96.7	97.5	98.0	98.3	98.4	98.4	98.5	98.5	98.7
GE 600	66.2	69.2	77.6	82.6	91.9	94.0	96.1	96.9	97.7	98.1	98.5	98.5	98.6	98.7	98.7	98.9
GE 500	66.2	69.2	77.6	82.6	91.9	94.0	96.2	97.0	97.9	98.3	98.7	98.8	99.0	99.0	99.1	99.3
GE 400	66.2	69.2	77.6	82.6	91.9	94.1	96.2	97.2	98.0	98.5	98.9	99.0	99.1	99.2	99.3	99.6
GE 300	66.2	69.2	77.6	82.6	91.9	94.1	96.3	97.2	98.1	98.6	99.1	99.1	99.3	99.4	99.5	99.8
GE 200	66.2	69.2	77.6	82.6	91.9	94.1	96.3	97.2	98.1	98.6	99.1	99.1	99.3	99.4	99.5	99.9
GE 100	66.2	69.2	77.6	82.6	91.9	94.1	96.3	97.2	98.1	98.6	99.1	99.1	99.3	99.4	99.5	100.0
GE 000	66.2	69.2	77.6	82.6	91.9	94.1	96.3	97.2	98.1	98.6	99.1	99.1	99.3	99.4	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 3350

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL

PERIOD OF RECORD: APR 81 - MAR 91

LST TO UTC: - 1

MONTH: MAY HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	21.8	22.8	27.7	30.1	34.2	35.2	35.5	35.5	35.5	35.5	35.7	35.7	35.7	35.7	35.7	35.7
GE 20000	23.7	25.0	30.1	32.6	37.1	38.2	38.9	39.0	39.0	39.0	39.2	39.2	39.2	39.2	39.2	39.2
GE 18000	24.2	25.5	30.6	33.1	37.6	38.7	39.3	39.5	39.5	39.5	39.6	39.6	39.6	39.6	39.6	39.6
GE 16000	24.2	25.5	30.6	33.1	37.6	38.7	39.3	39.5	39.5	39.5	39.6	39.6	39.6	39.6	39.6	39.6
GE 14000	24.8	26.1	31.2	33.8	38.4	39.5	40.1	40.3	40.3	40.3	40.4	40.4	40.4	40.4	40.4	40.4
GE 12000	25.5	26.9	32.2	34.9	39.8	40.9	41.6	41.7	41.7	41.7	41.9	41.9	41.9	41.9	41.9	41.9
GE 10000	26.6	28.0	33.6	36.6	42.2	43.3	43.9	44.1	44.3	44.4	44.7	44.7	44.7	44.7	44.9	45.1
GE 9000	27.7	29.1	35.7	38.7	44.4	45.5	46.2	46.5	46.7	46.8	47.1	47.1	47.1	47.1	47.3	47.5
GE 8000	33.3	35.0	42.2	45.7	52.1	53.3	54.0	54.3	54.6	55.3	55.6	55.6	55.7	55.7	55.9	56.1
GE 7000	34.4	36.1	43.9	47.6	54.3	55.6	56.2	56.5	56.8	57.6	58.0	58.0	58.1	58.1	58.3	58.4
GE 6000	34.6	36.3	44.3	48.2	55.1	56.8	57.6	58.0	58.3	59.1	59.4	59.4	59.6	59.6	59.7	59.9
GE 5000	38.5	40.8	49.8	54.6	61.9	63.9	64.6	65.0	65.4	66.2	66.6	66.6	66.7	66.7	66.9	67.0
GE 4500	39.6	41.9	51.3	56.4	63.9	65.8	66.9	67.2	67.7	68.5	68.8	68.8	68.9	68.9	69.1	69.3
GE 4000	41.9	44.3	54.1	60.2	69.3	71.2	72.3	72.6	73.1	73.9	74.2	74.2	74.4	74.4	74.5	74.7
GE 3500	43.2	45.9	55.9	62.1	72.6	74.8	76.1	76.6	77.1	78.0	78.3	78.3	78.5	78.5	78.7	78.8
GE 3000	45.4	48.4	59.4	65.8	76.8	79.1	80.7	81.2	81.7	82.6	83.0	83.0	83.1	83.1	83.3	83.4
GE 2500	45.5	48.6	59.9	66.2	77.5	79.9	81.7	82.2	82.6	83.6	83.9	83.9	84.1	84.1	84.2	84.4
GE 2000	47.8	51.0	63.2	70.4	83.1	85.7	87.7	88.2	88.9	89.8	90.1	90.1	90.3	90.3	90.4	90.6
GE 1800	47.9	51.1	63.4	70.5	83.3	85.8	87.9	88.4	89.0	90.0	90.3	90.3	90.4	90.4	90.6	90.8
GE 1500	48.1	51.3	64.0	71.2	83.9	86.6	89.3	89.8	90.4	91.4	91.7	91.7	91.9	91.9	92.0	92.2
GE 1200	48.7	52.1	65.1	72.8	85.8	88.5	91.4	91.9	92.5	93.5	93.8	93.8	93.9	93.9	94.1	94.3
GE 1000	48.9	52.2	65.3	72.9	86.3	89.0	92.2	92.8	93.5	94.4	94.7	94.7	94.9	94.9	95.1	95.2
GE 900	48.9	52.2	65.6	73.2	86.6	89.3	92.5	93.2	93.8	94.7	95.1	95.1	95.2	95.2	95.4	95.5
GE 800	48.9	52.2	65.6	73.2	87.1	89.8	93.0	93.6	94.3	95.2	95.5	95.5	95.7	95.7	95.9	96.0
GE 700	48.9	52.2	65.8	73.4	87.3	90.3	93.6	94.3	94.9	96.0	96.3	96.3	96.5	96.5	96.7	96.8
GE 600	48.9	52.2	65.8	73.4	87.4	90.6	93.9	94.6	95.2	96.3	96.7	96.7	96.8	96.8	97.0	97.1
GE 500	48.9	52.2	65.8	73.4	87.4	90.6	93.9	94.7	95.4	96.5	96.8	97.0	97.5	97.5	97.6	97.8
GE 400	48.9	52.2	65.8	73.4	87.4	90.6	93.9	94.7	95.4	96.7	97.0	97.1	97.6	97.8	97.9	98.1
GE 300	48.9	52.2	65.8	73.4	87.4	90.6	93.9	94.7	95.4	96.7	97.1	97.3	97.8	97.9	98.1	98.7
GE 200	48.9	52.2	65.8	73.4	87.4	90.6	93.9	94.7	95.4	96.7	97.1	97.3	97.8	97.9	98.1	98.7
GE 100	48.9	52.2	65.8	73.4	87.4	90.6	93.9	94.7	95.4	96.7	97.1	97.3	97.8	97.9	98.1	100.0
GE 000	48.9	52.2	65.8	73.4	87.4	90.6	93.9	94.7	95.4	96.7	97.1	97.3	97.8	97.9	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 628

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAY HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	28.1	28.6	31.4	33.0	34.7	34.9	34.9	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
GE 20000	32.0	33.0	36.6	38.1	40.0	40.3	40.3	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
GE 18000	32.5	33.6	37.2	38.8	41.0	41.3	41.3	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
GE 16000	32.5	33.6	37.2	38.8	41.0	41.3	41.3	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
GE 14000	33.1	34.2	37.8	39.4	41.6	41.9	41.9	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
GE 12000	34.1	35.2	38.8	40.3	42.5	42.9	42.9	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
GE 10000	35.8	37.2	40.8	42.7	45.1	45.4	45.4	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
GE 9000	36.6	38.0	42.1	44.1	46.8	47.1	47.1	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
GE 8000	41.1	42.7	47.7	50.1	53.1	53.4	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
GE 7000	42.7	44.3	49.9	52.4	55.6	55.9	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
GE 6000	42.7	44.3	49.9	52.7	56.2	56.5	56.5	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
GE 5000	46.0	47.7	53.8	57.5	61.1	61.4	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
GE 4500	47.1	48.8	54.9	58.7	62.5	62.8	62.8	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
GE 4000	50.4	52.1	59.7	64.1	68.8	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
GE 3500	53.8	55.7	63.7	68.1	74.1	74.4	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
GE 3000	59.8	62.2	71.3	76.6	83.4	83.8	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 2500	61.7	64.1	73.6	79.0	86.0	86.5	86.8	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
GE 2000	64.5	67.2	77.6	83.0	90.7	91.2	91.5	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 1800	65.6	68.4	78.8	84.5	92.8	93.6	93.9	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 1500	66.4	69.2	80.1	85.9	94.3	95.3	95.6	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 1200	66.7	69.5	80.4	86.7	95.4	96.4	97.0	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 1000	67.0	69.9	80.7	87.1	96.5	97.5	98.1	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 900	67.0	69.9	80.8	87.3	96.7	97.6	98.3	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 800	67.2	70.0	81.0	87.4	96.9	97.8	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 700	67.2	70.0	81.3	87.8	97.2	98.1	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 600	67.2	70.0	81.5	88.2	97.6	98.6	99.4	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	67.2	70.0	81.5	88.2	97.6	98.6	99.4	99.5	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0
GE 400	67.2	70.0	81.5	88.2	97.6	98.6	99.4	99.5	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0
GE 300	67.2	70.0	81.5	88.2	97.6	98.6	99.4	99.5	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0
GE 200	67.2	70.0	81.5	88.2	97.6	98.6	99.4	99.5	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0
GE 100	67.2	70.0	81.5	88.2	97.6	98.6	99.4	99.5	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0
GE 000	67.2	70.0	81.5	88.2	97.6	98.6	99.4	99.5	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 637

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAY HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	31.2	32.4	33.9	34.2	34.5	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
GE 20000	36.2	37.7	39.2	39.7	40.0	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
GE 18000	36.7	38.1	40.2	40.7	41.0	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
GE 16000	36.7	38.1	40.2	40.7	41.0	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
GE 14000	37.7	39.1	41.1	41.6	41.9	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
GE 12000	38.8	40.3	42.4	42.9	43.2	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
GE 10000	40.8	42.4	44.6	45.1	45.4	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
GE 9000	41.3	43.2	45.7	46.4	46.7	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
GE 8000	46.5	48.9	52.1	52.7	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
GE 7000	47.5	49.8	53.2	54.0	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
GE 6000	47.6	50.2	53.6	54.4	55.5	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
GE 5000	51.3	54.0	58.4	59.3	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
GE 4500	52.8	55.7	60.1	61.4	62.5	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
GE 4000	60.4	63.4	67.9	69.3	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
GE 3500	67.9	71.2	76.1	78.0	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 3000	75.0	79.0	84.5	86.7	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 2500	77.7	81.6	87.3	89.6	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
GE 2000	79.0	82.9	89.1	91.8	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 1800	79.4	83.4	89.6	92.4	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 1500	80.1	84.2	90.5	93.7	97.2	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 1200	80.7	84.8	91.1	94.6	98.3	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1000	80.9	85.0	91.3	94.8	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 900	81.0	85.1	91.5	94.9	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 800	81.0	85.1	91.5	94.9	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 700	81.0	85.1	91.5	94.9	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 600	81.0	85.1	91.5	94.9	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 500	81.0	85.1	91.5	94.9	98.9	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	81.0	85.1	91.5	94.9	99.1	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	81.0	85.1	91.5	94.9	99.1	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	81.0	85.1	91.5	94.9	99.1	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	81.0	85.1	91.5	94.9	99.1	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	81.0	85.1	91.5	94.9	99.1	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 632

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: RANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAY HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	32.2	34.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
GE 20000	40.2	42.3	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
GE 18000	40.8	42.9	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
GE 16000	41.0	43.1	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
GE 14000	41.3	43.4	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
GE 12000	42.9	45.0	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
GE 10000	45.7	48.0	49.6	49.9	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
GE 9000	47.5	49.9	51.5	51.9	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
GE 8000	52.0	54.6	56.3	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
GE 7000	54.0	56.7	58.4	58.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
GE 6000	54.3	57.1	58.9	59.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
GE 5000	59.7	62.8	64.6	65.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
GE 4500	63.1	66.2	68.0	68.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
GE 4000	72.2	75.6	78.0	79.0	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 3500	76.6	80.5	83.3	84.7	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 3000	82.0	85.9	89.3	90.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 2500	82.8	86.7	91.2	92.7	94.8	94.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 2000	83.6	87.6	92.8	94.3	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 1800	83.6	87.6	92.8	94.5	96.7	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 1500	83.7	87.8	93.3	95.3	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 1200	84.4	88.5	94.1	96.3	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1000	84.4	88.5	94.1	96.3	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 900	84.4	88.5	94.1	96.3	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 800	84.4	88.5	94.1	96.3	98.9	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 700	84.4	88.5	94.1	96.3	98.9	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 600	84.4	88.5	94.1	96.3	98.9	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 500	84.4	88.5	94.1	96.3	99.0	99.5	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	84.4	88.5	94.1	96.3	99.0	99.5	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	84.4	88.5	94.1	96.3	99.0	99.5	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	84.4	88.5	94.1	96.3	99.0	99.5	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	84.4	88.5	94.1	96.3	99.0	99.5	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	84.4	88.5	94.1	96.3	99.0	99.5	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 615

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HAWAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAY HOURS: 18-20

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	43.7	45.3	45.7	45.7	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
GE 20000	48.7	50.5	50.9	51.1	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
GE 18000	49.7	51.7	52.3	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
GE 16000	49.9	51.9	52.5	52.7	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
GE 14000	50.5	52.5	53.1	53.3	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
GE 12000	52.7	54.7	55.3	55.5	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
GE 10000	55.9	57.9	58.9	59.1	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
GE 9000	58.1	60.3	61.7	61.9	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
GE 8000	63.5	65.9	67.5	67.7	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
GE 7000	65.1	67.9	69.5	69.7	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
GE 6000	65.9	68.7	70.5	70.7	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
GE 5000	68.7	71.9	73.9	74.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
GE 4500	70.5	73.7	75.6	76.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
GE 4000	74.7	78.0	80.4	81.6	84.0	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 3500	76.2	79.6	83.2	85.0	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 3000	79.8	83.2	87.6	89.8	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 2500	80.6	84.0	88.8	91.2	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 2000	81.0	84.4	89.2	91.8	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 1800	81.0	84.4	89.2	91.8	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 1500	81.2	84.6	89.6	92.4	97.4	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 1200	81.2	84.6	89.6	92.4	97.6	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1000	81.4	84.8	89.8	92.6	97.8	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 900	81.4	84.8	89.8	92.6	97.8	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 800	81.4	84.8	89.8	92.6	97.8	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 700	81.4	84.8	89.8	92.6	98.0	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 600	81.4	84.8	89.8	92.6	98.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 500	81.4	84.8	89.8	92.6	98.0	99.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 400	81.4	84.8	89.8	92.6	98.0	99.0	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	81.4	84.8	89.8	92.6	98.0	99.0	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	81.4	84.8	89.8	92.6	98.0	99.0	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	81.4	84.8	89.8	92.6	98.0	99.0	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	81.4	84.8	89.8	92.6	98.0	99.0	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 501

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAY HOURS: 21-23

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	39.2	40.6	45.1	45.8	46.9	47.2	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
GE 20000	45.1	46.5	51.0	51.7	53.1	53.5	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
GE 18000	46.9	48.3	52.8	53.5	54.9	55.2	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
GE 16000	46.9	48.3	52.8	53.5	54.9	55.2	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
GE 14000	46.9	48.3	52.8	53.5	54.9	55.2	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
GE 12000	47.9	49.3	53.8	54.5	55.9	56.3	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
GE 10000	50.3	51.7	56.3	57.0	58.4	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 9000	51.4	53.1	59.4	60.1	61.5	61.9	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
GE 8000	53.5	55.2	62.6	64.3	66.4	66.8	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
GE 7000	54.2	55.9	63.3	65.0	67.5	67.8	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
GE 6000	54.5	56.3	63.6	65.4	67.8	68.2	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
GE 5000	57.3	59.1	67.1	68.9	71.3	71.7	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 4500	59.1	60.8	69.2	71.0	74.1	74.5	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
GE 4000	64.0	66.4	75.2	76.9	81.5	82.2	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
GE 3500	64.7	67.1	76.2	78.7	84.3	85.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 3000	67.1	69.6	79.7	83.6	90.2	91.6	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 2500	67.1	69.6	79.7	83.6	90.9	93.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 2000	67.1	69.6	79.7	83.9	92.3	94.4	96.5	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1800	67.1	69.6	79.7	83.9	92.3	94.4	96.5	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1500	67.1	69.6	79.7	83.9	93.0	95.1	97.2	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 1200	67.1	69.6	79.7	83.9	93.0	95.1	97.6	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1000	67.1	69.6	79.7	83.9	93.0	95.1	97.6	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 900	67.1	69.6	79.7	83.9	93.0	95.1	97.6	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 800	67.1	69.6	79.7	83.9	93.0	95.1	97.6	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 700	67.1	69.6	79.7	83.9	93.0	95.1	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 600	67.1	69.6	79.7	83.9	93.0	95.1	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 500	67.1	69.6	79.7	83.9	93.0	95.1	98.3	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 400	67.1	69.6	79.7	83.9	93.0	95.1	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	67.1	69.6	79.7	83.9	93.0	95.1	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	67.1	69.6	79.7	83.9	93.0	95.1	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	67.1	69.6	79.7	83.9	93.0	95.1	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	67.1	69.6	79.7	83.9	93.0	95.1	98.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 286

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HAKAU AAF DL
LET TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAR. JOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	31.6	32.8	35.2	36.1	37.4	37.7	37.8	37.8	37.8	37.8	37.9	37.9	37.9	37.9	37.9	37.9
GE 20000	36.4	37.9	40.6	41.6	43.0	43.3	43.5	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
GE 18000	37.1	38.7	41.5	42.5	44.0	44.3	44.5	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
GE 16000	37.2	38.7	41.6	42.5	44.0	44.4	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
GE 14000	37.8	39.3	42.1	43.1	44.6	45.0	45.2	45.2	45.2	45.2	45.3	45.3	45.3	45.3	45.3	45.3
GE 12000	39.0	40.6	43.5	44.5	46.1	46.4	46.6	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
GE 10000	41.2	42.9	45.9	47.1	48.9	49.2	49.4	49.5	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.7
GE 9000	42.4	44.2	47.8	49.0	51.0	51.3	51.5	51.6	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.8
GE 8000	47.2	49.3	53.4	54.9	57.1	57.4	57.6	57.7	57.8	57.9	58.0	58.0	58.0	58.0	58.0	58.0
GE 7000	48.5	50.7	55.1	56.7	59.1	59.4	59.6	59.7	59.8	59.9	60.0	60.0	60.0	60.0	60.0	60.1
GE 6000	48.8	51.0	55.5	57.2	59.9	60.4	60.6	60.7	60.7	60.9	61.0	61.0	61.0	61.0	61.0	61.0
GE 5000	52.6	55.0	60.1	62.3	65.1	65.6	65.8	65.9	66.0	66.2	66.2	66.2	66.3	66.3	66.3	66.3
GE 4500	54.3	56.9	62.0	64.4	67.4	67.8	68.1	68.2	68.3	68.4	68.5	68.5	68.5	68.5	68.6	68.6
GE 4000	59.6	62.4	68.1	70.9	74.7	75.3	75.6	75.7	75.8	76.0	76.0	76.0	76.1	76.1	76.1	76.1
GE 3500	63.1	66.1	72.3	75.4	80.2	80.8	81.3	81.4	81.5	81.7	81.7	81.7	81.8	81.8	81.8	81.8
GE 3000	67.8	71.0	78.1	81.7	87.0	87.7	88.2	88.3	88.4	88.6	88.7	88.7	88.7	88.7	88.7	88.8
GE 2500	69.0	72.2	79.8	83.4	89.0	89.8	90.4	90.5	90.6	90.8	90.8	90.8	90.8	90.8	90.9	90.9
GE 2000	70.4	73.7	81.8	85.8	92.0	92.8	93.5	93.7	93.8	94.0	94.1	94.1	94.1	94.1	94.1	94.2
GE 1800	70.7	74.1	82.2	86.3	92.7	93.6	94.3	94.5	94.6	94.8	94.8	94.8	94.9	94.9	94.9	94.9
GE 1500	71.1	74.5	82.9	87.1	93.8	94.9	95.7	95.9	96.0	96.2	96.3	96.3	96.3	96.3	96.3	96.4
GE 1200	71.5	75.0	83.4	88.0	94.9	95.9	96.9	97.1	97.2	97.4	97.5	97.5	97.5	97.5	97.5	97.5
GE 1000	71.7	75.1	83.6	88.1	95.3	96.3	97.4	97.6	97.7	97.9	98.0	98.0	98.0	98.0	98.0	98.1
GE 900	71.7	75.1	83.7	88.3	95.4	96.5	97.5	97.7	97.8	98.0	98.1	98.1	98.1	98.1	98.2	98.2
GE 800	71.7	75.2	83.8	88.3	95.6	96.6	97.7	97.9	98.1	98.2	98.3	98.3	98.3	98.3	98.4	98.4
GE 700	71.7	75.2	83.8	88.4	95.7	96.9	98.1	98.3	98.4	98.6	98.7	98.7	98.7	98.7	98.8	98.8
GE 600	71.7	75.2	83.9	88.5	95.8	97.1	98.3	98.5	98.6	98.9	98.9	98.9	99.0	99.0	99.0	99.0
GE 500	71.7	75.2	83.9	88.5	95.8	97.2	98.4	98.7	98.8	99.1	99.2	99.2	99.3	99.3	99.4	99.4
GE 400	71.7	75.2	83.9	88.5	95.9	97.2	98.5	98.8	98.9	99.3	99.4	99.4	99.5	99.6	99.6	99.6
GE 300	71.7	75.2	83.9	88.5	95.9	97.2	98.5	98.8	98.9	99.3	99.4	99.5	99.6	99.6	99.6	99.8
GE 200	71.7	75.2	83.9	88.5	95.9	97.2	98.5	98.8	98.9	99.3	99.4	99.5	99.6	99.6	99.6	99.8
GE 100	71.7	75.2	83.9	88.5	95.9	97.2	98.5	98.8	98.9	99.3	99.4	99.5	99.6	99.6	99.6	100.0
GE 000	71.7	75.2	83.9	88.5	95.9	97.2	98.5	98.8	98.9	99.3	99.4	99.5	99.6	99.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 3299

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUN HOUR.: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	26.4	27.2	31.6	33.6	35.8	36.7	37.2	37.6	37.8	37.8	37.9	37.9	37.9	37.9	38.1	38.1
GE 20000	29.5	30.3	35.0	38.4	41.2	42.2	43.0	43.5	43.6	43.6	43.8	43.8	43.8	43.8	43.9	43.9
GE 18000	29.6	30.4	35.2	38.6	41.3	42.4	43.2	43.6	43.8	43.8	43.9	43.9	43.9	43.9	44.1	44.1
GE 16000	29.8	30.6	35.3	38.7	41.5	42.5	43.3	43.8	43.9	43.9	44.1	44.1	44.1	44.1	44.2	44.2
GE 14000	30.6	31.3	36.1	39.6	42.4	43.5	44.2	44.7	44.9	44.9	45.0	45.0	45.0	45.0	45.2	45.2
GE 12000	31.8	32.6	37.6	41.2	43.9	45.2	45.9	46.4	46.5	46.5	46.7	46.7	46.7	46.7	46.9	46.9
GE 10000	33.6	34.6	40.1	43.8	47.0	48.2	49.0	49.6	49.8	49.8	49.9	49.9	49.9	49.9	50.1	50.1
GE 9000	34.6	35.5	41.6	46.4	50.4	51.9	53.0	53.6	53.8	53.8	53.9	53.9	53.9	53.9	54.1	54.1
GE 8000	37.8	38.7	46.1	51.6	56.5	58.1	59.1	59.8	59.9	59.9	60.1	60.1	60.1	60.1	60.2	60.2
GE 7000	39.2	40.2	48.2	54.7	60.1	61.9	63.0	63.6	63.7	63.7	63.9	63.9	63.9	63.9	64.1	64.1
GE 6000	40.1	41.2	49.3	55.8	61.6	63.4	64.7	65.3	65.4	65.4	65.6	65.6	65.6	65.6	65.7	65.7
GE 5000	43.0	44.1	52.7	59.8	65.7	67.6	68.8	69.4	69.6	69.6	69.7	69.7	69.7	69.7	69.9	69.9
GE 4500	45.2	46.2	55.3	62.7	68.7	70.5	71.7	72.4	72.5	72.5	72.7	72.7	72.7	72.7	72.8	72.8
GE 4000	48.2	49.3	59.1	67.1	73.6	75.4	76.8	77.7	77.9	77.9	78.0	78.0	78.0	78.0	78.2	78.2
GE 3500	50.5	51.6	61.6	69.7	77.0	79.0	80.6	81.6	81.7	81.7	81.9	81.9	81.9	81.9	82.0	82.0
GE 3000	53.9	55.1	66.1	75.0	82.9	85.3	86.9	87.9	88.0	88.0	88.2	88.2	88.2	88.2	88.3	88.3
GE 2500	54.4	55.6	67.0	75.9	85.4	87.9	89.6	90.6	90.8	90.8	90.9	90.9	90.9	90.9	91.1	91.1
GE 2000	54.8	56.1	67.9	76.8	87.3	89.7	91.4	92.5	92.6	92.6	92.8	92.8	92.8	92.8	92.9	92.9
GE 1800	55.1	56.4	68.4	77.4	88.0	90.5	92.2	93.2	93.4	93.4	93.5	93.5	93.5	93.5	93.7	93.7
GE 1500	55.3	56.5	68.5	78.0	88.9	91.4	93.4	94.5	94.6	94.6	94.8	94.8	94.8	94.8	94.9	94.9
GE 1200	55.5	56.7	68.8	78.3	90.0	92.5	94.5	95.5	95.7	95.7	95.9	95.9	95.9	95.9	96.0	96.0
GE 1000	55.8	57.0	69.3	79.0	91.1	93.5	95.7	96.8	96.9	96.9	97.1	97.1	97.1	97.1	97.2	97.2
GE 900	55.8	57.0	69.6	79.3	91.6	94.0	96.2	97.2	97.4	97.4	97.5	97.5	97.5	97.5	97.7	97.7
GE 800	55.8	57.0	69.6	79.3	91.7	94.2	96.5	97.5	97.7	97.7	97.8	97.8	97.8	98.0	98.2	98.2
GE 700	55.8	57.0	69.6	79.3	91.9	94.5	96.8	97.8	98.0	98.0	98.2	98.2	98.2	98.3	98.5	98.5
GE 600	55.8	57.0	69.6	79.3	91.9	94.5	96.8	98.0	98.2	98.2	98.3	98.3	98.3	98.5	98.6	98.8
GE 500	55.8	57.0	69.6	79.3	91.9	94.5	96.8	98.0	98.2	98.2	98.3	98.3	98.3	98.5	98.6	98.8
GE 400	55.8	57.0	69.6	79.3	91.9	94.5	96.8	98.2	98.3	98.3	98.5	98.5	98.5	98.6	98.8	98.9
GE 300	55.8	57.0	69.6	79.3	91.9	94.5	96.8	98.3	98.5	98.5	98.8	98.9	98.9	99.1	99.2	99.4
GE 200	55.8	57.0	69.6	79.3	91.9	94.5	96.8	98.3	98.5	98.5	98.8	98.9	99.1	99.2	99.8	100.0
GE 100	55.8	57.0	69.6	79.3	91.9	94.5	96.8	98.3	98.5	98.5	98.8	98.9	99.1	99.2	99.8	100.0
GE 000	55.8	57.0	69.6	79.3	91.9	94.5	96.8	98.3	98.5	98.5	98.8	98.9	99.1	99.2	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 651

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUN HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	28.2	29.6	32.7	33.3	34.7	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
GE 20000	32.4	33.9	38.4	39.6	41.1	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
GE 18000	32.5	34.2	38.7	39.9	41.4	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
GE 16000	32.5	34.2	38.7	39.9	41.4	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
GE 14000	32.8	34.5	39.0	40.2	41.8	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
GE 12000	33.9	35.6	40.1	41.3	42.8	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
GE 10000	37.4	39.1	44.1	45.8	47.5	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
GE 9000	38.2	39.9	45.0	46.7	48.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
GE 8000	40.4	42.2	47.8	49.9	51.9	52.9	52.9	52.9	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0
GE 7000	43.0	45.0	51.2	53.6	55.8	56.7	56.7	56.7	56.7	56.9	56.9	56.9	56.9	56.9	56.9	56.9
GE 6000	44.1	46.1	52.9	55.5	57.6	58.6	58.6	58.6	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 5000	48.1	50.1	57.3	60.1	62.4	63.3	63.3	63.3	63.3	63.5	63.5	63.5	63.5	63.5	63.5	63.5
GE 4500	49.3	51.3	59.2	61.9	64.6	65.6	65.6	65.6	65.6	65.8	65.8	65.8	65.8	65.8	65.8	65.8
GE 4000	52.9	55.0	63.8	66.7	70.0	71.0	71.0	71.0	71.0	71.2	71.2	71.2	71.2	71.2	71.2	71.2
GE 3500	58.4	60.6	70.0	73.2	76.4	77.5	77.5	77.5	77.5	77.7	77.7	77.7	77.7	77.7	77.7	77.7
GE 3000	64.4	66.9	78.1	82.1	85.8	86.9	87.4	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5
GE 2500	66.1	68.7	80.4	84.6	89.4	90.4	90.9	90.9	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 2000	67.0	69.6	82.0	86.6	92.0	93.2	94.1	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 1800	67.5	70.1	82.7	87.4	92.8	94.0	94.9	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 1500	68.4	71.0	83.7	88.3	94.3	95.5	96.5	97.1	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 1200	68.4	71.0	83.7	88.4	95.1	96.3	97.2	97.8	98.2	98.3	98.5	98.5	98.5	98.5	98.5	98.5
GE 1000	68.4	71.0	83.7	88.4	95.4	96.6	97.5	98.3	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9
GE 900	68.4	71.0	83.7	88.4	95.4	96.6	97.5	98.3	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9
GE 800	68.4	71.0	83.7	88.4	95.4	96.8	97.8	98.6	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2
GE 700	68.4	71.0	83.7	88.4	95.4	96.9	98.0	98.9	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5
GE 600	68.4	71.0	83.7	88.4	95.4	96.9	98.2	99.2	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	68.4	71.0	83.7	88.4	95.4	96.9	98.2	99.2	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	68.4	71.0	83.7	88.4	95.4	96.9	98.2	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	68.4	71.0	83.7	88.4	95.4	96.9	98.2	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	68.4	71.0	83.7	88.4	95.4	96.9	98.2	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	68.4	71.0	83.7	88.4	95.4	96.9	98.2	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	68.4	71.0	83.7	88.4	95.4	96.9	98.2	99.2	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 649

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUN HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	29.9	31.6	32.7	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5
GE 20000	34.0	35.7	37.1	38.1	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
GE 18000	34.3	36.0	37.4	38.4	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
GE 16000	34.3	36.0	37.4	38.4	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
GE 14000	34.9	36.6	38.1	39.2	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
GE 12000	36.1	37.8	39.5	40.8	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
GE 10000	39.2	40.9	43.4	44.7	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
GE 9000	40.3	42.0	44.5	45.7	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
GE 8000	44.7	46.5	49.6	50.9	52.1	52.1	52.1	52.1	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2
GE 7000	47.0	48.8	51.9	53.2	54.4	54.4	54.4	54.4	54.4	54.6	54.6	54.6	54.6	54.6	54.6	54.6
GE 6000	47.8	49.6	52.7	54.0	55.5	55.5	55.5	55.5	55.5	55.7	55.7	55.7	55.7	55.7	55.7	55.7
GE 5000	52.4	54.3	57.8	59.2	60.8	60.8	60.8	60.8	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9
GE 4500	55.2	57.1	60.9	62.3	63.9	63.9	63.9	63.9	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0
GE 4000	63.1	65.4	69.8	71.5	73.5	73.5	73.5	73.5	73.5	73.6	73.6	73.6	73.6	73.6	73.6	73.6
GE 3500	69.6	72.4	77.5	79.4	81.4	81.4	81.4	81.4	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 3000	75.3	78.4	84.0	86.0	88.7	88.8	89.1	89.1	89.1	89.3	89.3	89.3	89.3	89.3	89.3	89.3
GE 2500	77.2	80.5	86.5	89.1	91.8	91.9	92.2	92.2	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 2000	78.1	81.6	88.5	91.2	94.3	94.4	95.0	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 1800	78.8	82.5	89.5	92.1	95.7	95.8	96.4	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 1500	80.0	83.7	90.9	93.5	97.7	98.0	98.6	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1200	80.0	83.7	90.9	93.5	98.0	98.4	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1000	80.0	83.7	90.9	93.5	98.1	98.6	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 900	80.0	83.7	90.9	93.5	98.1	98.6	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 800	80.0	83.7	90.9	93.5	98.1	98.6	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	80.0	83.7	90.9	93.5	98.3	98.8	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	80.0	83.7	90.9	93.5	98.3	98.8	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	80.0	83.7	90.9	93.5	98.3	98.8	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	80.0	83.7	90.9	93.5	98.3	98.8	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	80.0	83.7	90.9	93.5	98.3	98.8	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	80.0	83.7	90.9	93.5	98.3	98.8	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	80.0	83.7	90.9	93.5	98.3	98.8	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	80.0	83.7	90.9	93.5	98.3	98.8	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 645

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUN HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	30.3	32.0	32.5	32.5	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6
GE 20000	35.6	37.5	38.2	38.2	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
GE 18000	35.7	37.7	38.4	38.4	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
GE 16000	35.7	37.7	38.4	38.4	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
GE 14000	35.7	37.7	38.4	38.4	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
GE 12000	36.6	38.5	39.3	39.3	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5
GE 10000	39.8	41.8	43.0	43.3	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
GE 9000	42.8	44.8	46.2	46.7	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
GE 8000	52.0	54.3	56.4	57.0	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
GE 7000	53.9	56.6	58.9	59.5	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
GE 6000	54.4	57.0	59.3	60.0	60.5	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
GE 5000	60.0	63.0	65.6	66.4	66.9	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
GE 4500	61.8	64.9	67.9	69.0	69.5	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
GE 4000	67.4	70.7	73.9	75.4	76.2	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
GE 3500	74.4	77.9	81.5	83.4	84.4	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
GE 3000	80.0	83.6	88.7	90.8	91.8	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
GE 2500	81.8	85.6	91.3	93.8	94.9	95.2	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 2000	82.8	86.6	92.6	95.6	96.7	97.0	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 1800	82.8	86.7	93.0	95.9	97.0	97.5	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1500	83.3	87.2	93.4	96.4	98.0	98.5	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1200	83.4	87.4	93.8	96.7	98.5	99.0	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1000	83.4	87.4	93.8	96.7	98.7	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 900	83.4	87.4	93.8	96.7	98.7	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 800	83.4	87.4	93.8	96.7	98.7	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	83.4	87.4	93.8	96.9	98.9	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	83.4	87.4	93.8	96.9	98.9	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	83.4	87.4	93.8	96.9	98.9	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	83.4	87.4	93.8	96.9	98.9	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	83.4	87.4	93.8	96.9	98.9	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	83.4	87.4	93.8	96.9	98.9	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	83.4	87.4	93.8	96.9	98.9	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	83.4	87.4	93.8	96.9	98.9	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 610

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUN HOURS: 18-20

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	34.5	35.3	35.8	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
GE 20000	42.6	43.7	44.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
GE 18000	42.8	43.9	44.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
GE 16000	42.8	43.9	44.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
GE 14000	42.8	43.9	44.3	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
GE 12000	43.0	44.1	44.5	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
GE 10000	45.9	47.0	47.4	48.9	48.9	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
GE 9000	48.9	49.9	50.5	52.0	52.0	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
GE 8000	61.7	63.6	64.7	66.1	66.5	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 7000	64.9	66.7	68.0	69.6	70.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 6000	65.1	66.9	68.4	70.3	70.9	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
GE 5000	70.1	72.1	74.0	76.1	76.9	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
GE 4500	73.0	75.1	77.1	79.2	80.0	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
GE 4000	78.8	81.1	84.6	86.7	88.1	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 3500	81.7	84.0	87.5	89.6	91.5	92.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 3000	83.8	86.1	91.1	93.1	95.6	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 2500	84.4	86.7	92.1	94.4	97.1	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 2000	84.8	87.1	92.7	95.0	98.3	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1800	84.8	87.1	92.7	95.0	98.3	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1500	85.0	87.3	92.9	95.2	98.5	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1200	85.0	87.3	92.9	95.2	98.5	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1000	85.0	87.3	92.9	95.2	98.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	85.0	87.3	92.9	95.2	98.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	85.0	87.3	92.9	95.2	98.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	85.0	87.3	92.9	95.2	98.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	85.0	87.3	92.9	95.2	98.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	85.0	87.3	92.9	95.2	98.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	85.0	87.3	92.9	95.2	98.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	85.0	87.3	92.9	95.2	98.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	85.0	87.3	92.9	95.2	98.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	85.0	87.3	92.9	95.2	98.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	85.0	87.3	92.9	95.2	98.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 481

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL

PERIOD OF RECORD: APR 81 - MAR 91

LST TO UTC: - 1

MONTH: JUN HOURS: 21-23

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	37.5	37.8	40.6	41.7	42.0	42.4	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
GE 20000	42.7	43.1	46.9	47.9	48.6	49.3	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 18000	42.7	43.1	46.9	47.9	48.6	49.3	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 16000	42.7	43.1	46.9	47.9	48.6	49.3	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 14000	42.7	43.1	46.9	47.9	48.6	49.3	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 12000	43.1	43.4	47.2	48.3	49.0	49.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
GE 10000	45.1	45.5	49.3	50.3	52.1	53.1	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
GE 9000	46.2	46.9	51.0	52.1	54.5	55.6	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
GE 8000	54.2	55.2	60.4	62.2	64.6	65.6	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 7000	55.2	56.6	62.5	64.2	67.0	68.1	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE 6000	55.9	57.3	63.2	64.9	68.1	69.1	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
GE 5000	58.3	59.7	67.7	69.4	73.3	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 4500	59.7	61.1	69.1	70.8	75.3	76.7	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
GE 4000	66.0	67.4	75.7	77.8	83.3	85.4	86.1	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE 3500	70.5	71.9	80.9	83.3	88.9	91.0	91.7	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 3000	72.6	74.0	84.0	86.5	93.4	95.5	96.5	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 2500	72.6	74.3	84.4	87.2	95.5	97.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 2000	72.6	74.3	84.4	87.2	95.5	97.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1800	72.6	74.3	84.7	87.5	95.8	97.9	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1500	72.6	74.3	84.7	87.5	95.8	97.9	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1200	72.6	74.3	84.7	87.5	95.8	97.9	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1000	72.6	74.3	84.7	87.5	95.8	97.9	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 900	72.6	74.3	84.7	87.5	95.8	97.9	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 800	72.6	74.3	84.7	87.5	95.8	97.9	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 700	72.6	74.3	84.7	87.5	96.2	98.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	72.6	74.3	84.7	87.5	96.2	98.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	72.6	74.3	84.7	87.5	96.2	98.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	72.6	74.3	84.7	87.5	96.2	98.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	72.6	74.3	84.7	87.5	96.2	98.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	72.6	74.3	84.7	87.5	96.2	98.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	72.6	74.3	84.7	87.5	96.2	98.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	72.6	74.3	84.7	87.5	96.2	98.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 288

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUN HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	30.3	31.5	33.6	34.4	35.2	35.5	35.6	35.7	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
GE 20000	35.1	36.4	39.0	40.3	41.3	41.7	41.9	42.0	42.0	42.0	42.1	42.1	42.1	42.1	42.1	42.1
GE 18000	35.3	36.6	39.2	40.6	41.5	41.9	42.1	42.2	42.2	42.2	42.3	42.3	42.3	42.3	42.3	42.3
GE 16000	35.3	36.6	39.2	40.6	41.5	41.9	42.1	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
GE 14000	35.6	37.0	39.6	41.0	42.0	42.4	42.6	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
GE 12000	36.5	37.9	40.6	42.1	43.1	43.5	43.7	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.9	43.9
GE 10000	39.4	40.8	43.9	45.5	46.8	47.3	47.5	47.6	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
GE 9000	41.0	42.4	45.8	47.7	49.2	49.8	50.1	50.2	50.2	50.2	50.3	50.3	50.3	50.3	50.3	50.3
GE 8000	47.1	48.8	52.9	55.1	57.1	57.7	58.0	58.1	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2
GE 7000	49.2	51.1	55.6	58.1	60.2	60.9	61.2	61.3	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4
GE 6000	50.0	51.8	56.5	59.0	61.3	62.1	62.4	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6
GE 5000	54.2	56.1	61.3	64.1	66.6	67.4	67.7	67.8	67.8	67.9	67.9	67.9	67.9	67.9	68.0	68.0
GE 4500	56.3	58.2	63.8	66.7	69.3	70.1	70.4	70.5	70.6	70.6	70.7	70.7	70.7	70.7	70.7	70.7
GE 4000	61.5	63.6	69.9	73.2	76.3	77.2	77.5	77.7	77.8	77.8	77.9	77.9	77.9	77.9	77.9	77.9
GE 3500	66.4	68.7	75.4	78.9	82.2	83.2	83.6	83.8	83.8	83.9	83.9	83.9	83.9	83.9	84.0	84.0
GE 3000	70.8	73.3	81.2	85.0	89.0	90.0	90.6	90.9	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0
GE 2500	72.1	74.6	83.0	87.1	91.7	92.8	93.4	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.9	93.9
GE 2000	72.7	75.3	84.2	88.5	93.6	94.7	95.5	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 1800	73.0	75.7	84.7	89.0	94.3	95.4	96.2	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.8	96.8
GE 1500	73.6	76.3	85.3	89.7	95.3	96.5	97.4	97.8	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1200	73.6	76.3	85.4	89.9	95.8	97.0	98.0	98.4	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1000	73.7	76.4	85.5	90.0	96.2	97.4	98.4	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.2	99.2
GE 900	73.7	76.4	85.6	90.0	96.3	97.5	98.5	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 800	73.7	76.4	85.6	90.0	96.3	97.5	98.6	99.1	99.2	99.3	99.3	99.3	99.3	99.4	99.4	99.4
GE 700	73.7	76.4	85.6	90.1	96.5	97.7	98.8	99.3	99.4	99.5	99.5	99.5	99.5	99.6	99.6	99.6
GE 600	73.7	76.4	85.6	90.1	96.5	97.7	98.9	99.4	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.7
GE 500	73.7	76.4	85.6	90.1	96.5	97.7	98.9	99.4	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.7
GE 400	73.7	76.4	85.6	90.1	96.5	97.7	98.9	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.8	99.8
GE 300	73.7	76.4	85.6	90.1	96.5	97.7	98.9	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.9
GE 200	73.7	76.4	85.6	90.1	96.5	97.7	98.9	99.5	99.6	99.7	99.8	99.8	99.8	99.8	100.0	100.0
GE 100	73.7	76.4	85.6	90.1	96.5	97.7	98.9	99.5	99.6	99.7	99.8	99.8	99.8	99.8	100.0	100.0
GE 000	73.7	76.4	85.6	90.1	96.5	97.7	98.9	99.5	99.6	99.7	99.8	99.8	99.8	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 3324

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUL HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	30.8	32.0	37.5	39.2	43.2	44.4	45.1	45.2	45.2	45.4	45.4	45.4	45.4	45.4	45.4	45.5
GE 20000	32.3	33.9	40.2	42.4	46.3	47.6	48.4	48.5	48.5	48.7	48.7	48.7	48.7	48.7	48.7	48.8
GE 18000	32.5	34.1	40.3	42.5	46.5	47.7	48.5	48.7	48.7	48.8	48.8	48.8	48.8	48.8	48.8	49.0
GE 16000	32.7	34.2	40.8	43.0	46.9	48.2	49.0	49.1	49.1	49.3	49.3	49.3	49.3	49.3	49.3	49.5
GE 14000	33.0	34.5	41.1	43.3	47.3	48.5	49.3	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.8
GE 12000	34.4	35.9	42.7	44.9	48.8	50.1	50.9	51.0	51.0	51.2	51.2	51.2	51.2	51.2	51.2	51.3
GE 10000	36.3	38.1	45.7	48.2	52.6	53.8	54.8	54.9	54.9	55.1	55.3	55.3	55.3	55.3	55.3	55.4
GE 9000	36.9	38.8	46.3	48.8	54.2	55.4	6.7	56.8	56.8	57.1	57.5	57.5	57.5	57.5	57.5	57.6
GE 8000	40.0	42.1	50.5	53.5	59.8	61.1	62.3	62.6	62.6	63.0	63.3	63.3	63.3	63.3	63.3	63.4
GE 7000	41.1	43.2	52.3	55.6	62.5	63.7	65.0	65.3	65.3	65.6	65.9	65.9	65.9	65.9	65.9	66.1
GE 6000	42.2	44.3	54.2	57.6	64.5	65.8	67.0	67.3	67.3	67.7	68.0	68.0	68.0	68.0	68.0	68.1
GE 5000	45.2	47.4	58.7	62.5	70.0	71.7	73.0	73.3	73.3	73.6	73.9	73.9	73.9	73.9	73.9	74.1
GE 4500	46.0	48.5	59.8	63.6	72.4	74.3	75.5	75.8	75.8	76.1	76.5	76.5	76.5	76.5	76.5	76.6
GE 4000	48.7	51.2	63.0	67.0	76.6	78.5	79.9	80.5	80.5	80.8	81.2	81.2	81.2	81.2	81.2	81.3
GE 3500	50.1	53.1	65.9	70.0	79.9	82.1	83.7	84.3	84.3	84.6	84.9	84.9	84.9	84.9	84.9	85.1
GE 3000	54.0	57.5	71.0	75.7	86.8	89.0	90.7	91.7	91.8	92.3	92.6	92.6	92.6	92.6	92.6	92.8
GE 2500	54.8	58.4	72.2	77.1	88.5	90.7	92.5	93.4	93.6	94.0	94.3	94.3	94.3	94.3	94.3	94.5
GE 2000	55.4	59.0	73.3	78.3	90.4	93.2	95.1	96.1	96.2	96.7	97.2	97.2	97.2	97.2	97.2	97.3
GE 1800	55.4	59.0	73.6	78.6	90.7	93.6	95.4	96.4	96.5	97.0	97.5	97.5	97.5	97.5	97.5	97.6
GE 1500	55.4	59.0	73.6	78.6	90.9	93.7	95.6	96.5	96.7	97.2	97.6	97.6	97.6	97.6	97.6	97.8
GE 1200	55.4	59.0	73.6	78.6	90.9	93.7	95.6	96.5	96.9	97.3	98.0	98.0	98.0	98.0	98.0	98.1
GE 1000	55.4	59.0	73.6	78.6	91.2	94.0	95.9	96.9	97.2	97.6	98.3	98.3	98.3	98.3	98.3	98.4
GE 900	55.4	59.0	73.6	78.6	91.2	94.2	96.1	97.0	97.3	97.8	98.4	98.4	98.4	98.4	98.4	98.6
GE 800	55.4	59.0	73.6	78.6	91.5	94.5	96.5	97.5	97.8	98.3	98.9	98.9	98.9	98.9	98.9	99.1
GE 700	55.4	59.0	73.6	78.6	91.5	94.5	96.5	97.5	97.8	98.3	98.9	98.9	98.9	98.9	98.9	99.1
GE 600	55.4	59.0	73.6	78.6	91.5	94.5	96.5	97.5	97.8	98.3	98.9	98.9	98.9	98.9	98.9	99.1
GE 500	55.4	59.0	73.6	78.6	91.5	94.5	96.5	97.5	97.8	98.3	98.9	98.9	98.9	98.9	98.9	99.1
GE 400	55.4	59.0	73.6	78.6	91.5	94.5	96.5	97.5	98.0	98.4	99.1	99.1	99.2	99.2	99.2	99.4
GE 300	55.4	59.0	73.6	78.6	91.5	94.5	96.5	97.5	98.0	98.4	99.2	99.2	99.4	99.7	99.7	99.8
GE 200	55.4	59.0	73.6	78.6	91.5	94.5	96.5	97.5	98.0	98.4	99.2	99.2	99.4	99.7	99.7	100.0
GE 100	55.4	59.0	73.6	78.6	91.5	94.5	96.5	97.5	98.0	98.4	99.2	99.2	99.4	99.7	99.7	100.0
GE 000	55.4	59.0	73.6	78.6	91.5	94.5	96.5	97.5	98.0	98.4	99.2	99.2	99.4	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 637

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUL HO'RS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	36.6	37.1	39.8	41.7	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
GE 20000	40.4	41.0	44.2	46.4	47.6	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
GE 18000	40.7	41.4	44.5	46.9	48.1	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
GE 16000	40.9	41.5	44.7	47.0	48.3	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
GE 14000	41.8	42.5	45.6	48.0	49.2	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
GE 12000	42.8	43.6	46.9	49.5	50.8	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
GE 10000	44.8	45.8	49.2	51.9	53.3	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
GE 9000	46.5	47.5	51.1	54.1	56.1	56.8	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
GE 8000	50.3	51.7	56.4	59.4	61.9	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
GE 7000	51.6	53.0	58.6	61.6	64.2	64.8	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
GE 6000	52.4	53.8	59.6	62.6	65.1	65.7	65.7	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
GE 5000	55.0	56.4	63.4	66.8	69.8	70.4	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
GE 4500	57.1	58.5	65.4	68.9	72.3	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
GE 4000	60.8	62.6	70.1	73.6	77.7	78.3	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
GE 3500	65.6	67.5	75.6	79.2	83.6	84.3	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 3000	72.5	74.7	83.0	87.1	93.1	93.7	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 2500	73.7	76.1	84.4	88.5	94.7	95.3	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 2000	74.5	76.9	85.4	89.6	95.8	96.7	97.2	97.3	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 1800	74.7	77.0	85.5	89.8	95.9	96.9	97.3	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 1500	74.7	77.0	85.7	90.1	96.4	97.5	98.0	98.1	98.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1200	74.7	77.0	85.7	90.3	96.7	97.8	98.3	98.4	98.4	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1000	74.7	77.0	85.7	90.3	96.9	98.0	98.4	98.6	98.6	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 900	74.7	77.0	85.7	90.3	96.9	98.0	98.4	98.6	98.6	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 800	74.7	77.0	85.7	90.3	97.2	98.3	98.7	98.9	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 700	74.7	77.0	85.7	90.4	97.3	98.6	99.1	99.2	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	74.7	77.0	85.7	90.4	97.3	98.6	99.1	99.2	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	74.7	77.0	85.7	90.4	97.3	98.6	99.1	99.2	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	74.7	77.0	85.7	90.4	97.3	98.6	99.2	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	74.7	77.0	85.7	90.4	97.3	98.6	99.2	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	74.7	77.0	85.7	90.4	97.3	98.6	99.2	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	74.7	77.0	85.7	90.4	97.3	98.6	99.2	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	74.7	77.0	85.7	90.4	97.3	98.6	99.2	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 636

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUL HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	40.3	41.5	42.6	42.9	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
GE 20000	49.7	50.8	52.8	53.2	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
GE 18000	50.5	51.6	53.6	54.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
GE 16000	50.5	51.6	53.6	54.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
GE 14000	50.9	52.1	54.1	54.4	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
GE 12000	51.9	53.0	56.0	56.3	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
GE 10000	54.6	55.7	58.9	59.2	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
GE 9000	55.7	56.8	60.3	60.8	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
GE 8000	60.9	62.3	66.1	66.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE 7000	63.0	64.6	68.4	69.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
GE 6000	63.3	65.3	69.6	70.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
GE 5000	67.4	69.6	74.7	75.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
GE 4500	69.0	71.2	76.3	77.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
GE 4000	73.4	75.9	81.6	82.4	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 3500	79.0	81.8	87.5	88.3	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 3000	83.9	86.7	92.6	93.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 2500	84.2	87.2	93.2	94.1	97.5	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 2000	84.5	87.5	93.5	94.5	98.1	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1800	84.5	87.5	93.5	94.5	98.1	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1500	84.7	87.7	93.7	94.8	98.6	98.6	98.6	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1200	84.7	87.7	93.7	94.8	98.6	98.6	98.6	98.7	98.7	98.9	98.9	99.1	99.1	99.1	99.1	99.1
GE 1000	85.1	88.1	94.1	95.3	99.1	99.1	99.1	99.2	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5
GE 900	85.1	88.1	94.1	95.3	99.1	99.1	99.1	99.2	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5
GE 800	85.1	88.1	94.3	95.4	99.5	99.5	99.5	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 700	85.1	88.1	94.3	95.4	99.5	99.5	99.5	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 600	85.1	88.1	94.3	95.4	99.5	99.5	99.5	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 500	85.1	88.1	94.3	95.4	99.5	99.5	99.5	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 400	85.1	88.1	94.3	95.4	99.5	99.5	99.5	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 300	85.1	88.1	94.3	95.4	99.5	99.5	99.5	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 200	85.1	88.1	94.3	95.4	99.5	99.5	99.5	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 100	85.1	88.1	94.3	95.4	99.5	99.5	99.5	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 000	85.1	88.1	94.3	95.4	99.5	99.5	99.5	99.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 632

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUL HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	43.3	43.9	46.1	46.6	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
GE 20000	50.9	51.5	54.2	55.0	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
GE 18000	51.0	51.7	54.3	55.1	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
GE 16000	51.3	52.0	54.7	55.5	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
GE 14000	51.5	52.1	54.8	55.6	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
GE 12000	52.4	53.1	56.1	56.9	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
GE 10000	55.8	56.4	59.4	60.2	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
GE 9000	58.0	58.9	62.1	62.9	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
GE 8000	63.5	64.9	68.1	68.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
GE 7000	65.7	67.9	71.4	72.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
GE 6000	67.3	69.7	73.1	73.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
GE 5000	72.8	75.2	79.3	80.1	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 4500	74.4	76.8	81.0	82.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
GE 4000	79.6	82.0	86.3	87.4	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 3500	84.2	86.6	91.0	92.4	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 3000	87.5	89.9	94.3	95.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 2500	88.2	90.5	95.1	96.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 2000	88.8	91.2	95.7	97.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1800	88.8	91.2	95.7	97.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1500	88.8	91.2	95.7	97.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1200	88.8	91.2	95.7	97.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1000	88.8	91.2	95.7	97.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 900	88.8	91.2	95.7	97.5	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	88.8	91.2	95.7	97.5	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	88.8	91.2	95.7	97.5	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	88.8	91.2	95.7	97.5	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	88.8	91.2	95.7	97.5	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	88.8	91.2	95.7	97.5	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	88.8	91.2	95.7	97.5	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	88.8	91.2	95.7	97.5	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	88.8	91.2	95.7	97.5	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	88.8	91.2	95.7	97.5	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 633

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUL HOURS: 18-20

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	47.1	48.3	50.4	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
GE 20000	55.2	56.6	59.5	60.2	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
GE 18000	55.9	57.3	60.2	60.9	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GE 16000	55.9	57.3	60.2	60.9	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GE 14000	55.9	57.3	60.2	60.9	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GE 12000	57.1	58.5	61.6	62.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
GE 10000	60.2	61.6	64.8	65.5	66.2	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
GE 9000	61.6	63.0	66.4	67.3	68.0	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 8000	66.2	67.6	71.3	72.2	73.0	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 7000	69.4	70.9	74.8	75.7	76.5	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
GE 6000	69.4	70.9	74.8	75.7	76.5	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
GE 5000	74.8	76.7	81.1	82.0	83.4	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
GE 4500	77.4	79.3	83.7	84.6	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 4000	82.8	85.1	90.0	91.4	93.5	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 3500	85.1	87.4	92.6	94.0	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 3000	86.7	89.0	94.6	96.5	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 2500	86.9	89.1	94.9	96.8	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 2000	87.0	89.3	95.3	97.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	87.0	89.3	95.3	97.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	87.0	89.3	95.3	97.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	87.0	89.3	95.3	97.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	87.0	89.3	95.3	97.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	87.0	89.3	95.3	97.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	87.0	89.3	95.3	97.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	87.0	89.3	95.3	97.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	87.0	89.3	95.3	97.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	87.0	89.3	95.3	97.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	87.0	89.3	95.3	97.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	87.0	89.3	95.3	97.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	87.0	89.3	95.3	97.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	87.0	89.3	95.3	97.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	87.0	89.3	95.3	97.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 571

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUL HOURS: 21-23

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	45.7	46.3	52.3	52.9	55.7	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
GE 20000	47.7	48.6	56.0	56.6	60.1	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
GE 18000	48.0	48.9	56.3	56.9	60.3	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
GE 16000	48.0	48.9	56.3	56.9	60.3	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
GE 14000	48.6	49.4	56.9	57.5	60.9	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
GE 12000	50.0	50.9	58.3	58.9	62.4	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
GE 10000	51.7	52.9	60.6	61.5	65.8	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
GE 9000	53.2	54.3	62.1	62.9	67.2	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
GE 8000	55.7	56.9	65.8	66.7	71.6	71.8	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
GE 7000	57.8	58.9	67.8	69.3	74.7	75.3	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 6000	58.6	59.8	68.7	70.1	75.6	76.1	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
GE 5000	62.6	63.8	73.0	75.0	81.3	81.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 4500	63.8	64.9	74.4	76.7	83.0	83.6	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
GE 4000	67.8	69.0	79.3	82.2	88.8	89.9	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 3500	69.3	70.7	83.0	86.5	93.1	94.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 3000	71.3	72.7	85.9	89.9	96.8	98.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 2500	71.3	72.7	85.9	89.9	96.8	98.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 2000	71.3	72.7	85.9	89.9	97.1	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	71.3	72.7	85.9	89.9	97.1	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	71.3	72.7	85.9	89.9	97.1	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	71.3	72.7	85.9	89.9	97.1	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	71.3	72.7	85.9	89.9	97.1	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	71.3	72.7	85.9	89.9	97.1	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	71.3	72.7	85.9	89.9	97.1	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	71.3	72.7	85.9	89.9	97.1	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	71.3	72.7	85.9	89.9	97.1	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	71.3	72.7	85.9	89.9	97.1	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	71.3	72.7	85.9	89.9	97.1	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	71.3	72.7	85.9	89.9	97.1	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	71.3	72.7	85.9	89.9	97.1	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	71.3	72.7	85.9	89.9	97.1	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	71.3	72.7	85.9	89.9	97.1	98.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 348

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUL HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	40.1	41.0	44.1	45.0	46.6	46.8	46.9	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
GE 20000	45.7	46.7	50.6	51.8	53.5	53.9	54.0	54.0	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1
GE 18000	46.1	47.2	51.0	52.2	53.9	54.3	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
GE 16000	46.2	47.3	51.2	52.4	54.1	54.5	54.6	54.6	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7
GE 14000	46.6	47.7	51.6	52.8	54.5	54.9	55.0	55.0	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1
GE 12000	47.8	48.8	53.1	54.3	56.1	56.4	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
GE 10000	50.3	51.5	55.9	57.3	59.4	59.8	60.0	60.0	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.1
GE 9000	51.7	52.9	57.5	59.0	61.4	61.8	62.0	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.3
GE 8000	55.9	57.4	62.7	64.2	67.1	67.5	67.8	67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0
GE 7000	57.9	59.6	65.2	66.9	69.9	70.4	70.6	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.9
GE 6000	58.7	60.5	66.3	68.1	71.1	71.6	71.8	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.1
GE 5000	62.8	64.7	71.4	73.4	76.8	77.3	77.7	77.8	77.8	77.8	77.9	77.9	77.9	77.9	77.9	77.9
GE 4500	64.4	66.4	73.2	75.2	78.9	79.5	79.8	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.1
GE 4000	68.7	70.8	78.1	80.3	84.6	85.2	85.6	85.8	85.8	85.8	85.9	85.9	85.9	85.9	85.9	85.9
GE 3500	72.2	74.5	82.4	84.8	89.3	90.0	90.5	90.6	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.8
GE 3000	76.1	78.7	86.8	89.6	94.8	95.5	96.1	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.5
GE 2500	76.7	79.3	87.6	90.5	95.8	96.5	97.0	97.3	97.3	97.4	97.5	97.5	97.5	97.5	97.5	97.5
GE 2000	77.2	79.8	88.2	91.1	96.7	97.6	98.1	98.4	98.4	98.5	98.6	98.6	98.6	98.6	98.6	98.6
GE 1800	77.2	79.8	88.3	91.2	96.8	97.7	98.2	98.5	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7
GE 1500	77.2	79.8	88.4	91.4	97.0	97.9	98.5	98.7	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.1
GE 1200	77.2	79.8	88.4	91.4	97.0	98.0	98.6	98.8	98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.2
GE 1000	77.3	79.9	88.5	91.5	97.2	98.1	98.7	99.0	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4
GE 900	77.3	79.9	88.5	91.5	97.3	98.2	98.8	99.0	99.1	99.3	99.5	99.5	99.5	99.5	99.5	99.5
GE 800	77.3	79.9	88.5	91.5	97.5	98.4	99.0	99.3	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7
GE 700	77.3	79.9	88.5	91.5	97.5	98.5	99.1	99.3	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8
GE 600	77.3	79.9	88.5	91.5	97.5	98.5	99.1	99.3	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8
GE 500	77.3	79.9	88.5	91.5	97.5	98.5	99.1	99.3	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8
GE 400	77.3	79.9	88.5	91.5	97.5	98.5	99.1	99.4	99.5	99.7	99.8	99.8	99.9	99.9	99.9	99.9
GE 300	77.3	79.9	88.5	91.5	97.5	98.5	99.1	99.4	99.5	99.7	99.8	99.9	99.9	99.9	99.9	100.0
GE 200	77.3	79.9	88.5	91.5	97.5	98.5	99.1	99.4	99.5	99.7	99.8	99.9	99.9	99.9	99.9	100.0
GE 100	77.3	79.9	88.5	91.5	97.5	98.5	99.1	99.4	99.5	99.7	99.8	99.9	99.9	99.9	99.9	100.0
GE 000	77.3	79.9	88.5	91.5	97.5	98.5	99.1	99.4	99.5	99.7	99.8	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 3457

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: AUG HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	19.9	20.8	25.9	29.4	41.1	42.9	43.9	44.8	45.3	45.4	45.7	45.7	46.0	46.2	46.2	46.5
GE 20000	21.6	22.5	28.2	32.2	44.4	46.2	47.4	48.4	48.9	49.0	49.3	49.3	49.6	49.8	49.8	50.1
GE 18000	21.7	22.6	28.3	32.5	45.1	47.1	48.3	49.3	49.8	49.9	50.2	50.2	50.5	50.7	50.7	51.0
GE 16000	21.9	22.8	28.5	32.7	45.3	47.2	48.4	49.5	49.9	50.1	50.4	50.4	50.7	50.8	50.8	51.1
GE 14000	21.9	22.8	28.5	32.7	45.3	47.2	48.4	49.5	49.9	50.1	50.4	50.4	50.7	50.8	50.8	51.1
GE 12000	22.0	22.9	28.6	32.8	45.9	48.0	49.8	50.8	51.3	51.4	51.7	51.7	52.0	52.2	52.2	52.5
GE 10000	23.5	24.4	30.6	34.9	49.5	51.6	53.5	54.6	55.0	55.5	55.8	55.8	56.1	56.2	56.2	56.5
GE 9000	25.5	26.5	33.4	37.9	52.8	55.0	57.0	58.0	58.5	58.9	59.4	59.4	59.7	59.8	59.8	60.1
GE 8000	27.4	28.8	36.7	41.4	57.9	60.3	62.2	63.3	63.7	64.2	64.6	64.6	64.9	65.1	65.1	65.4
GE 7000	28.8	30.1	38.7	43.8	60.7	63.1	65.1	66.1	66.6	67.0	67.5	67.5	67.8	67.9	67.9	68.2
GE 6000	29.8	31.2	40.0	45.1	62.1	64.5	66.4	67.5	67.9	68.4	68.8	68.8	69.1	69.3	69.3	69.6
GE 5000	32.2	33.9	43.6	48.7	66.3	69.3	71.4	72.4	72.9	73.3	73.8	73.8	74.1	74.2	74.2	74.5
GE 4500	33.1	34.8	45.0	50.4	68.1	71.1	73.2	74.2	74.7	75.4	75.9	75.9	76.2	76.3	76.3	76.6
GE 4000	36.9	38.5	49.3	55.2	73.3	76.5	78.6	79.6	80.1	80.8	81.3	81.3	81.6	81.7	81.7	82.0
GE 3500	38.4	40.0	51.7	58.3	76.5	79.6	81.9	82.9	83.4	84.1	84.6	84.6	84.9	85.0	85.0	85.3
GE 3000	39.7	41.4	53.8	60.7	79.2	82.3	85.0	86.1	86.5	87.3	87.9	87.9	88.2	88.3	88.3	88.6
GE 2500	40.2	41.8	54.4	61.9	80.5	84.3	87.3	88.5	88.9	89.7	90.3	90.3	90.6	90.7	90.7	91.0
GE 2000	40.2	41.8	54.7	62.2	81.3	85.2	88.3	89.5	90.1	91.2	91.8	91.8	92.1	92.2	92.4	92.7
GE 1800	40.2	41.8	54.7	62.2	81.3	85.3	88.8	90.0	90.6	91.6	92.2	92.2	92.5	92.7	92.8	93.1
GE 1500	40.5	42.1	55.2	62.7	82.0	86.2	90.0	91.2	91.8	93.0	93.7	93.7	94.0	94.2	94.3	94.6
GE 1200	40.5	42.1	55.5	63.1	82.8	87.1	90.9	92.1	92.7	93.9	94.6	94.6	94.9	95.1	95.2	95.5
GE 1000	40.5	42.1	55.5	63.1	82.9	87.4	91.3	92.5	93.1	94.3	95.4	95.4	95.7	95.8	96.0	96.3
GE 900	40.5	42.1	55.5	63.1	83.1	87.7	91.6	92.8	93.4	94.6	96.0	96.0	96.3	96.4	96.6	96.9
GE 800	40.5	42.1	55.5	63.1	83.1	87.7	91.6	92.8	93.4	94.6	96.0	96.0	96.3	96.6	96.7	97.0
GE 700	40.5	42.1	55.5	63.1	83.1	87.7	91.6	92.8	93.6	94.8	96.1	96.1	96.4	96.7	96.9	97.2
GE 600	40.5	42.1	55.5	63.1	83.1	87.7	91.6	92.8	93.6	94.8	96.1	96.1	96.4	96.7	96.9	97.2
GE 500	40.5	42.1	55.5	63.1	83.1	87.7	91.6	92.8	93.6	94.8	96.1	96.1	96.4	96.7	96.9	97.8
GE 400	40.5	42.1	55.5	63.1	83.1	87.7	91.6	92.8	93.6	94.8	96.3	96.3	96.6	96.9	97.0	98.1
GE 300	40.5	42.1	55.5	63.1	83.1	87.7	91.6	92.8	93.7	94.9	96.4	96.4	96.7	97.0	97.2	98.2
GE 200	40.5	42.1	55.5	63.1	83.1	87.7	91.6	92.8	93.7	94.9	96.4	96.4	96.7	97.2	97.3	98.5
GE 100	40.5	42.1	55.5	63.1	83.1	87.7	91.6	92.8	93.7	94.9	96.4	96.4	96.9	97.5	97.9	100.0
GE 000	40.5	42.1	55.5	63.1	83.1	87.7	91.6	92.8	93.7	94.9	96.4	96.4	96.9	97.5	97.9	100.0

TOTAL NUMBER OF OBSERVATIONS 667

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL

PERIOD OF RECORD: APR 81 - MAR 91

LST TO UTC: - 1

MONTH: AUG HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	29.8	30.1	36.5	40.2	44.0	44.1	44.3	44.4	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
GE 20000	32.2	32.5	39.8	43.5	47.8	48.1	48.3	48.4	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
GE 18000	32.6	32.9	40.2	44.0	48.6	48.9	49.0	49.2	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
GE 16000	32.8	33.1	40.4	44.1	48.7	49.0	49.2	49.3	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
GE 14000	32.9	33.2	40.5	44.3	48.9	49.2	49.3	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
GE 12000	33.7	34.0	41.4	45.3	50.2	50.5	50.7	50.8	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
GE 10000	35.0	35.3	43.2	47.5	53.5	53.8	54.1	54.2	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
GE 9000	36.7	37.0	45.2	49.6	55.7	56.0	56.3	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
GE 8000	39.2	39.5	48.9	53.8	60.8	61.1	61.5	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
GE 7000	40.7	41.0	51.1	56.0	63.2	63.5	63.9	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
GE 6000	41.7	42.0	52.2	57.2	64.4	64.7	65.1	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 5000	44.3	44.7	56.2	61.5	69.4	69.7	70.3	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
GE 4500	46.2	46.6	59.0	64.4	72.6	72.9	73.5	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
GE 4000	51.1	51.6	65.1	71.1	79.4	79.7	80.5	80.9	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2
GE 3500	55.1	55.6	69.7	76.0	84.8	85.1	85.8	86.3	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 3000	57.4	58.0	73.2	79.6	88.8	89.1	90.0	90.5	90.6	90.8	90.9	90.9	90.9	90.9	90.9	90.9
GE 2500	58.4	59.2	74.5	80.9	90.3	90.6	91.8	92.3	92.4	92.5	92.7	92.7	92.7	92.7	92.7	92.7
GE 2000	59.0	59.8	75.3	81.7	91.5	92.0	93.4	93.9	94.2	94.3	94.6	94.6	94.6	94.6	94.6	94.6
GE 1800	59.0	59.8	75.3	81.7	92.3	92.7	94.2	94.6	94.9	95.1	95.4	95.4	95.4	95.4	95.4	95.4
GE 1500	59.2	59.9	75.7	82.3	93.0	93.4	94.9	95.4	95.7	95.8	96.1	96.3	96.3	96.3	96.3	96.3
GE 1200	59.2	59.9	75.9	82.6	94.2	94.8	96.6	97.0	97.3	97.5	97.8	97.9	97.9	97.9	97.9	97.9
GE 1000	59.2	59.9	75.9	82.6	94.2	94.8	96.6	97.2	97.5	97.6	98.1	98.2	98.2	98.2	98.2	98.2
GE 900	59.2	59.9	75.9	82.6	94.3	95.2	97.0	97.6	97.9	98.1	98.5	98.7	98.7	98.7	98.7	98.7
GE 800	59.2	59.9	75.9	82.6	94.3	95.2	97.3	98.1	98.4	98.5	99.0	99.1	99.1	99.1	99.1	99.1
GE 700	59.2	59.9	75.9	82.6	94.3	95.2	97.3	98.1	98.4	98.7	99.1	99.3	99.3	99.3	99.3	99.3
GE 600	59.2	59.9	75.9	82.6	94.3	95.2	97.3	98.1	98.4	98.7	99.1	99.3	99.3	99.3	99.3	99.3
GE 500	59.2	59.9	75.9	82.6	94.3	95.2	97.3	98.2	98.5	98.8	99.3	99.4	99.4	99.4	99.4	99.4
GE 400	59.2	59.9	75.9	82.6	94.3	95.2	97.3	98.2	98.5	99.0	99.6	99.7	99.7	99.7	99.7	99.7
GE 300	59.2	59.9	75.9	82.6	94.3	95.2	97.3	98.2	98.5	99.0	99.7	99.9	99.9	99.9	99.9	99.9
GE 200	59.2	59.9	75.9	82.6	94.3	95.2	97.3	98.2	98.5	99.0	99.7	99.9	99.9	99.9	99.9	99.9
GE 100	59.2	59.9	75.9	82.6	94.3	95.2	97.3	98.2	98.5	99.0	99.7	99.9	99.9	99.9	100.0	100.0
GE 000	59.2	59.9	75.9	82.6	94.3	95.2	97.3	98.2	98.5	99.0	99.7	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 671

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: AUG HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	36.9	38.6	43.2	44.7	44.8	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
GE 20000	44.5	46.4	51.3	53.1	53.3	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
GE 18000	45.4	47.3	52.2	54.0	54.2	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
GE 16000	45.5	47.5	52.4	54.2	54.3	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
GE 14000	46.4	48.4	53.3	55.0	55.6	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
GE 12000	47.6	49.7	54.9	56.7	57.3	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
GE 10000	50.7	52.8	58.6	60.4	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 9000	53.6	55.6	61.7	63.5	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
GE 8000	56.2	58.6	65.0	66.8	68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GE 7000	57.3	59.6	66.2	68.0	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
GE 6000	58.5	61.0	67.5	69.3	70.8	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
GE 5000	62.5	65.1	72.4	74.3	76.3	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
GE 4500	65.1	67.8	75.1	77.0	78.9	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
GE 4000	70.0	72.7	80.6	82.5	84.4	84.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 3500	74.9	77.7	85.9	88.0	90.4	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 3000	77.6	80.4	88.9	91.2	94.7	95.1	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 2500	78.5	81.3	89.8	92.3	96.1	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 2000	78.9	81.8	90.7	93.3	97.6	98.1	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 1800	78.9	81.8	90.8	93.8	98.4	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1500	78.9	81.8	90.8	93.8	98.5	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1200	78.9	81.8	90.8	93.8	98.7	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1000	78.9	81.8	90.9	93.9	98.8	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	78.9	81.8	90.9	93.9	98.8	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	78.9	81.8	90.9	93.9	98.8	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	78.9	81.8	90.9	93.9	98.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	78.9	81.8	90.9	93.9	98.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	78.9	81.8	90.9	93.9	98.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	78.9	81.8	90.9	93.9	98.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	78.9	81.8	90.9	93.9	98.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	78.9	81.8	90.9	93.9	98.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	78.9	81.8	90.9	93.9	98.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	78.9	81.8	90.9	93.9	98.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 674

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: AUG HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	40.4	41.5	45.9	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
GE 20000	47.9	49.5	54.1	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
GE 18000	48.2	49.8	54.4	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
GE 16000	48.2	49.8	54.4	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
GE 14000	48.8	50.4	55.1	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
GE 12000	49.9	51.5	56.1	56.8	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
GE 10000	53.3	54.9	60.5	61.1	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 9000	56.0	58.0	63.8	64.4	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
GE 8000	60.8	62.8	68.9	69.5	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
GE 7000	63.9	65.9	72.2	72.8	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 6000	64.5	66.9	73.3	73.9	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
GE 5000	69.8	72.2	78.7	79.8	80.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
GE 4500	72.0	74.3	81.0	82.3	82.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 4000	76.7	79.3	86.6	88.2	89.3	89.7	89.7	89.7	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 3500	80.7	83.4	91.0	92.5	93.8	94.2	94.2	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 3000	82.7	85.4	93.3	94.9	96.9	97.4	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 2500	83.2	85.8	93.9	95.8	97.8	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 2000	83.4	86.0	94.1	96.0	98.0	98.4	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1800	83.4	86.0	94.6	96.4	98.4	98.9	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1500	83.4	86.0	94.6	96.6	98.6	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1200	83.4	86.0	94.6	96.6	98.6	99.2	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1000	83.5	86.2	94.9	96.9	98.9	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 900	83.5	86.2	94.9	96.9	98.9	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 800	83.5	86.2	95.0	97.0	99.1	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	83.5	86.2	95.0	97.0	99.1	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	83.5	86.2	95.0	97.0	99.1	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	83.5	86.2	95.0	97.0	99.1	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	83.5	86.2	95.0	97.0	99.1	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	83.5	86.2	95.0	97.0	99.1	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	83.5	86.2	95.0	97.0	99.1	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	83.5	86.2	95.0	97.0	99.1	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	83.5	86.2	95.0	97.0	99.1	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 643

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: AUG HOURS: 18-20

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	41.1	42.2	47.2	48.5	49.3	49.4	49.4	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
GE 20000	48.5	49.6	55.2	56.9	57.6	57.8	57.8	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
GE 18000	49.1	50.2	55.8	57.4	58.2	58.4	58.4	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
GE 16000	49.1	50.2	55.8	57.4	58.2	58.4	58.4	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
GE 14000	49.1	50.2	55.8	57.4	58.2	58.4	58.4	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
GE 12000	49.4	50.6	56.3	58.2	59.1	59.3	59.3	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
GE 10000	53.2	54.3	60.8	62.6	63.6	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
GE 9000	54.6	55.8	62.8	64.7	65.8	66.2	66.2	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
GE 8000	59.3	60.6	68.2	70.1	71.7	72.1	72.1	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
GE 7000	63.0	64.3	71.9	74.0	75.7	76.0	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
GE 6000	63.4	64.9	72.7	74.7	76.4	76.8	76.8	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 5000	67.8	69.5	77.9	79.9	81.8	82.5	82.5	82.7	82.7	82.7	82.7	82.9	82.9	82.9	82.9	82.9
GE 4500	69.3	71.0	79.9	82.2	84.6	85.3	85.3	85.5	85.5	85.5	85.5	85.7	85.7	85.7	85.7	85.7
GE 4000	73.6	75.5	84.8	87.2	90.1	90.9	91.1	91.3	91.3	91.3	91.3	91.4	91.4	91.4	91.4	91.4
GE 3500	76.6	78.4	87.7	90.3	93.3	94.1	94.2	94.4	94.4	94.4	94.4	94.6	94.6	94.6	94.6	94.6
GE 3000	79.4	81.4	90.9	93.7	97.8	98.5	98.7	98.9	98.9	98.9	98.9	99.1	99.1	99.1	99.1	99.1
GE 2500	79.4	81.4	90.9	93.7	97.8	98.5	98.7	99.1	99.1	99.1	99.1	99.3	99.3	99.3	99.3	99.3
GE 2000	79.7	81.8	91.3	94.1	98.1	98.9	99.1	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6
GE 1800	79.7	81.8	91.3	94.2	98.3	99.1	99.3	99.6	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8
GE 1500	79.7	81.8	91.3	94.2	98.3	99.1	99.3	99.6	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8
GE 1200	79.7	81.8	91.4	94.4	98.5	99.3	99.4	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 1000	79.7	81.8	91.4	94.4	98.5	99.3	99.4	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 900	79.7	81.8	91.4	94.4	98.5	99.3	99.4	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 800	79.7	81.8	91.4	94.4	98.5	99.3	99.4	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 700	79.7	81.8	91.4	94.4	98.5	99.3	99.4	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 600	79.7	81.8	91.4	94.4	98.5	99.3	99.4	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 500	79.7	81.8	91.4	94.4	98.5	99.3	99.4	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 400	79.7	81.8	91.4	94.4	98.5	99.3	99.4	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 300	79.7	81.8	91.4	94.4	98.5	99.3	99.4	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 200	79.7	81.8	91.4	94.4	98.5	99.3	99.4	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 100	79.7	81.8	91.4	94.4	98.5	99.3	99.4	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 000	79.7	81.8	91.4	94.4	98.5	99.3	99.4	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 538

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: AUG HOURS: 21-23

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	38.5	40.1	46.5	49.5	54.8	56.5	56.5	56.5	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
GE 20000	43.1	45.2	52.8	56.2	62.9	64.5	64.5	64.5	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
GE 18000	43.5	45.5	53.2	56.5	63.2	64.9	64.9	64.9	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
GE 16000	43.8	45.8	53.5	56.9	63.5	65.2	65.2	65.2	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 14000	43.8	45.8	53.5	56.9	63.5	65.2	65.2	65.2	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 12000	44.1	46.2	54.5	57.9	64.9	66.9	66.9	66.9	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
GE 10000	46.5	48.5	58.2	61.5	69.2	71.2	71.2	71.2	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
GE 9000	48.2	50.2	60.9	64.2	72.2	74.9	75.3	75.3	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 8000	51.8	53.8	65.2	69.2	77.3	80.3	80.6	80.6	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
GE 7000	53.2	55.2	66.6	70.9	78.9	81.9	82.3	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
GE 6000	53.2	55.2	66.9	71.2	79.6	82.6	82.9	82.9	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
GE 5000	56.2	58.5	70.2	74.6	83.3	86.3	86.6	86.6	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
GE 4500	56.9	59.5	71.6	76.3	85.3	89.0	89.3	89.3	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 4000	59.9	62.5	75.6	80.3	90.0	93.6	94.3	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 3500	61.2	63.9	76.9	81.6	92.0	95.7	96.3	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 3000	62.5	65.2	78.6	83.6	94.3	98.0	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 2500	62.9	65.6	78.9	83.9	94.6	98.3	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	62.9	65.6	78.9	83.9	94.6	98.3	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	62.9	65.6	78.9	83.9	94.6	98.3	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	62.9	65.6	78.9	83.9	94.6	98.3	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	62.9	65.6	78.9	83.9	94.6	98.3	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	62.9	65.6	78.9	83.9	94.6	98.3	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	62.9	65.6	78.9	83.9	94.6	98.3	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	62.9	65.6	78.9	83.9	94.6	98.3	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	62.9	65.6	78.9	83.9	94.6	98.3	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	62.9	65.6	78.9	83.9	94.6	98.3	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	62.9	65.6	78.9	83.9	94.6	98.3	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	62.9	65.6	78.9	83.9	94.6	98.3	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	62.9	65.6	78.9	83.9	94.6	98.3	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	62.9	65.6	78.9	83.9	94.6	98.3	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	62.9	65.6	78.9	83.9	94.6	98.3	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	62.9	65.6	78.9	83.9	94.6	98.3	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 299

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: AUG HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	33.7	34.8	40.0	42.2	45.8	46.4	46.6	46.8	47.0	47.0	47.1	47.1	47.1	47.2	47.2	47.2
GE 20000	38.9	40.1	45.9	48.4	52.3	52.9	53.2	53.4	53.6	53.6	53.7	53.7	53.7	53.8	53.8	53.8
GE 18000	39.3	40.6	46.4	48.9	52.9	53.6	53.8	54.1	54.2	54.3	54.3	54.3	54.4	54.4	54.4	54.5
GE 16000	39.5	40.7	46.5	49.0	53.0	53.7	54.0	54.2	54.4	54.4	54.4	54.4	54.4	54.5	54.5	54.6
GE 14000	39.8	41.0	46.8	49.3	53.5	54.1	54.4	54.6	54.8	54.8	54.9	54.9	54.9	55.0	55.0	55.0
GE 12000	40.5	41.7	47.7	50.3	54.7	55.4	55.8	56.0	56.2	56.2	56.2	56.2	56.3	56.3	56.3	56.4
GE 10000	43.0	44.3	50.9	53.6	58.6	59.3	59.8	60.0	60.2	60.3	60.3	60.3	60.4	60.4	60.4	60.5
GE 9000	45.1	46.5	53.6	56.4	61.5	62.4	62.8	63.1	63.2	63.3	63.4	63.4	63.5	63.5	63.5	63.5
GE 8000	48.4	49.9	57.7	60.7	66.5	67.4	67.8	68.1	68.2	68.3	68.4	68.4	68.5	68.5	68.5	68.6
GE 7000	50.4	51.9	60.1	63.1	69.1	70.0	70.4	70.7	70.8	70.9	71.0	71.0	71.1	71.1	71.1	71.2
GE 6000	51.2	52.8	61.1	64.2	70.2	71.1	71.6	71.8	72.0	72.1	72.1	72.1	72.2	72.2	72.2	72.3
GE 5000	54.8	56.6	65.6	68.9	75.3	76.4	76.9	77.2	77.4	77.5	77.5	77.6	77.6	77.7	77.7	77.7
GE 4500	56.6	58.4	67.8	71.2	77.8	79.0	79.5	79.8	80.0	80.1	80.2	80.2	80.3	80.3	80.3	80.4
GE 4000	61.0	62.9	73.0	76.7	83.6	84.9	85.5	85.9	86.0	86.2	86.3	86.3	86.4	86.4	86.4	86.5
GE 3500	64.3	66.2	76.7	80.7	87.9	89.1	89.8	90.1	90.3	90.5	90.6	90.6	90.7	90.7	90.7	90.8
GE 3000	66.4	68.4	79.4	83.6	91.4	92.7	93.5	93.8	94.0	94.2	94.3	94.4	94.4	94.4	94.4	94.5
GE 2500	67.0	69.0	80.1	84.5	92.5	93.8	94.8	95.2	95.4	95.6	95.7	95.7	95.8	95.8	95.8	95.9
GE 2000	67.3	69.3	80.6	84.9	93.2	94.6	95.7	96.1	96.4	96.6	96.8	96.8	96.8	96.9	96.9	97.0
GE 1800	67.3	69.3	80.7	85.1	93.6	95.1	96.2	96.6	96.8	97.1	97.3	97.3	97.3	97.4	97.4	97.5
GE 1500	67.4	69.4	80.8	85.4	94.0	95.4	96.6	97.1	97.3	97.5	97.7	97.8	97.9	97.9	97.9	98.0
GE 1200	67.4	69.4	81.0	85.5	94.4	96.0	97.2	97.7	97.9	98.2	98.4	98.4	98.5	98.5	98.5	98.6
GE 1000	67.4	69.4	81.0	85.6	94.5	96.1	97.4	97.9	98.1	98.4	98.7	98.7	98.8	98.8	98.8	98.9
GE 900	67.4	69.4	81.0	85.6	94.6	96.3	97.5	98.0	98.3	98.5	98.9	98.9	99.0	99.0	99.0	99.1
GE 800	67.4	69.4	81.1	85.7	94.6	96.3	97.6	98.1	98.4	98.6	99.0	99.0	99.1	99.1	99.2	99.2
GE 700	67.4	69.4	81.1	85.7	94.6	96.3	97.7	98.2	98.4	98.7	99.1	99.1	99.2	99.2	99.3	99.3
GE 600	67.4	69.4	81.1	85.7	94.6	96.3	97.7	98.2	98.4	98.7	99.1	99.1	99.2	99.2	99.3	99.3
GE 500	67.4	69.4	81.1	85.7	94.6	96.3	97.7	98.2	98.5	98.7	99.1	99.1	99.2	99.3	99.3	99.5
GE 400	67.4	69.4	81.1	85.7	94.6	96.3	97.7	98.2	98.5	98.8	99.2	99.2	99.3	99.3	99.4	99.6
GE 300	67.4	69.4	81.1	85.7	94.6	96.3	97.7	98.2	98.5	98.8	99.2	99.3	99.3	99.4	99.4	99.6
GE 200	67.4	69.4	81.1	85.7	94.6	96.3	97.7	98.2	98.5	98.8	99.2	99.3	99.3	99.4	99.5	99.7
GE 100	67.4	69.4	81.1	85.7	94.6	96.3	97.7	98.2	98.5	98.8	99.2	99.3	99.4	99.5	99.6	100.0
GE 000	67.4	69.4	81.1	85.7	94.6	96.3	97.7	98.2	98.5	98.8	99.2	99.3	99.4	99.5	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 3492

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: SEP HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	15.2	15.5	21.7	25.4	31.3	33.7	36.1	37.6	38.5	39.6	41.2	42.0	42.4	43.3	43.5	44.4
GE 20000	15.8	16.1	22.6	26.5	32.7	35.1	37.8	39.6	40.6	41.8	43.3	44.1	44.6	45.7	45.8	46.7
GE 18000	15.8	16.1	22.9	26.8	33.0	35.4	38.1	39.9	40.9	42.1	43.7	44.4	44.9	46.0	46.1	47.2
GE 16000	15.9	16.3	23.1	26.9	33.1	35.6	38.2	40.1	41.0	42.4	44.0	44.7	45.2	46.3	46.4	47.5
GE 14000	15.9	16.3	23.2	27.1	33.3	35.8	38.4	40.2	41.2	42.6	44.1	44.9	45.4	46.4	46.6	47.7
GE 12000	16.3	16.6	23.5	27.4	33.6	36.1	38.7	40.6	41.5	42.9	44.4	45.2	45.7	46.7	47.1	48.1
GE 10000	17.0	17.3	24.5	28.3	35.0	37.5	40.1	42.0	42.9	44.3	46.0	46.7	47.2	48.3	48.6	49.7
GE 9000	18.4	18.9	26.0	30.2	37.5	40.1	42.7	44.6	45.5	46.9	48.8	49.5	50.0	51.1	51.4	52.5
GE 8000	20.7	21.2	29.3	33.4	42.4	45.2	47.8	49.7	50.9	52.3	54.2	55.0	55.4	56.5	56.8	57.9
GE 7000	22.0	22.4	30.5	35.3	44.4	47.2	49.8	51.7	52.9	54.3	56.2	57.0	57.4	58.5	58.8	59.9
GE 6000	23.4	23.8	32.2	37.0	46.3	49.1	51.7	53.6	54.8	56.2	58.0	58.8	59.3	60.4	60.7	61.8
GE 5000	24.6	25.1	33.9	38.7	48.6	51.4	54.0	55.9	57.1	58.7	60.5	61.3	61.8	62.8	63.2	64.2
GE 4500	26.5	26.9	36.2	41.5	51.5	54.8	57.4	59.3	60.7	62.2	64.1	64.9	65.3	66.4	66.7	67.8
GE 4000	29.6	30.2	40.4	46.1	57.4	61.6	64.2	66.3	67.6	69.2	71.2	72.0	72.4	73.5	73.8	74.9
GE 3500	31.4	32.0	42.9	49.5	62.2	66.4	69.3	71.5	72.9	74.5	76.5	77.2	77.7	78.8	79.1	80.2
GE 3000	33.1	33.9	46.9	54.0	67.6	72.0	75.4	77.7	79.3	81.1	83.1	83.9	84.5	85.8	86.1	87.2
GE 2500	33.3	34.1	47.1	54.3	68.1	72.4	75.9	78.3	80.0	81.9	83.9	84.7	85.3	86.5	86.8	87.9
GE 2000	34.4	35.4	49.2	57.0	71.1	75.7	79.4	82.0	83.9	85.8	87.8	88.5	89.2	90.4	90.7	91.8
GE 1800	34.4	35.4	49.2	57.0	71.2	75.9	79.7	82.4	84.4	86.2	88.2	89.0	89.6	90.9	91.2	92.3
GE 1500	35.0	36.1	50.0	58.2	72.4	77.4	81.6	84.4	86.5	88.4	90.6	91.3	92.0	93.2	93.5	94.6
GE 1200	35.0	36.1	50.0	58.2	72.4	77.7	82.0	85.0	87.2	89.0	91.2	92.0	92.6	93.8	94.1	95.2
GE 1000	35.0	36.1	50.0	58.2	72.4	77.7	82.0	85.0	87.2	89.0	91.2	92.0	92.6	93.8	94.1	95.2
GE 900	35.0	36.1	50.0	58.2	72.4	77.7	82.2	85.1	87.3	89.6	91.8	92.6	93.2	94.4	94.7	95.8
GE 800	35.0	36.1	50.0	58.2	72.4	77.7	82.2	85.1	87.3	89.6	91.8	92.6	93.2	94.4	94.7	95.8
GE 700	35.0	36.1	50.0	58.2	72.6	78.0	82.7	85.6	87.8	90.1	92.3	93.0	93.7	94.9	95.2	96.4
GE 600	35.0	36.1	50.0	58.2	72.6	78.0	82.7	85.6	87.8	90.2	92.4	93.2	93.8	95.0	95.4	96.6
GE 500	35.0	36.1	50.0	58.2	72.6	78.0	82.7	85.6	87.9	90.4	92.9	93.7	94.3	95.8	96.3	97.5
GE 400	35.0	36.1	50.0	58.2	72.6	78.0	82.7	85.6	88.1	90.6	93.2	94.0	94.6	96.1	96.6	97.8
GE 300	35.0	36.1	50.0	58.2	72.6	78.0	82.7	85.6	88.1	90.7	93.3	94.1	94.7	96.4	97.4	98.6
GE 200	35.0	36.1	50.0	58.2	72.6	78.0	82.7	85.6	88.1	90.7	93.3	94.1	94.9	96.6	97.5	98.9
GE 100	35.0	36.1	50.0	58.2	72.6	78.0	82.7	85.6	88.1	90.7	93.3	94.1	94.9	96.6	97.5	99.8
GE 000	35.0	36.1	50.0	58.2	72.6	78.0	82.7	85.6	88.1	90.7	93.3	94.1	94.9	96.6	97.5	100.0

TOTAL NUMBER OF OBSERVATIONS 646

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: SEP HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	22.5	23.3	31.7	33.7	39.5	40.3	42.6	43.2	43.5	43.6	43.8	43.8	43.8	43.8	44.1	44.1
GE 20000	24.7	25.4	34.5	36.4	42.9	43.8	46.2	46.9	47.2	47.3	47.5	47.5	47.5	47.5	47.8	47.8
GE 18000	25.0	25.7	34.9	37.1	43.6	44.6	47.0	47.6	47.9	48.1	48.2	48.2	48.2	48.2	48.5	48.5
GE 16000	25.0	25.7	34.9	37.1	43.6	44.6	47.0	47.6	47.9	48.1	48.2	48.2	48.2	48.2	48.5	48.5
GE 14000	25.0	25.7	35.1	37.2	43.8	44.7	47.2	47.8	48.1	48.2	48.4	48.4	48.4	48.4	48.7	48.7
GE 12000	25.1	26.0	35.5	37.7	44.3	45.2	47.6	48.2	48.5	48.7	48.9	48.9	48.9	48.9	49.2	49.2
GE 10000	26.8	27.9	37.7	39.8	46.6	47.8	50.5	51.3	51.6	51.8	52.1	52.1	52.1	52.1	52.4	52.4
GE 9000	27.9	29.1	38.9	41.5	48.5	49.8	52.7	53.4	53.8	53.9	54.2	54.2	54.2	54.2	54.5	54.5
GE 8000	30.5	31.7	43.6	46.7	55.3	56.5	59.7	60.5	60.8	60.9	61.3	61.3	61.3	61.3	61.6	61.6
GE 7000	31.9	33.2	45.5	49.0	57.6	58.8	62.0	62.8	63.1	63.2	63.6	63.6	63.6	63.6	63.9	63.9
GE 6000	32.6	34.0	46.2	49.8	58.5	59.7	62.9	63.7	64.0	64.2	64.5	64.5	64.5	64.5	64.8	64.8
GE 5000	33.8	35.2	47.8	51.5	60.6	61.9	65.1	65.8	66.2	66.3	66.6	66.6	66.6	66.6	66.9	66.9
GE 4500	36.3	37.7	50.4	54.4	63.6	64.8	68.0	68.8	69.1	69.2	69.5	69.5	69.5	69.5	69.8	69.8
GE 4000	40.0	41.3	54.7	59.1	69.2	70.6	73.8	74.6	74.9	75.0	75.3	75.3	75.3	75.3	75.7	75.7
GE 3500	43.2	44.6	58.0	62.5	73.7	75.3	78.7	79.5	79.8	79.9	80.2	80.2	80.2	80.2	80.6	80.6
GE 3000	47.5	48.9	63.2	68.1	79.9	81.6	85.1	85.9	86.2	86.7	87.0	87.0	87.0	87.0	87.3	87.3
GE 2500	48.5	49.9	64.8	69.7	81.9	83.6	87.6	88.4	88.7	89.1	89.4	89.4	89.4	89.4	89.7	89.7
GE 2000	50.1	51.5	66.8	71.7	84.7	86.7	91.1	91.9	92.2	92.8	93.1	93.1	93.1	93.1	93.4	93.4
GE 1800	50.2	51.6	66.9	71.8	84.8	86.8	91.3	92.0	92.6	93.3	93.6	93.6	93.6	93.6	93.9	93.9
GE 1500	50.4	51.9	67.4	72.3	85.8	87.7	92.2	93.3	93.9	94.5	94.8	94.8	94.8	94.8	95.1	95.1
GE 1200	50.7	52.2	67.7	72.6	86.5	88.5	93.3	94.3	94.9	95.6	95.9	95.9	95.9	95.9	96.2	96.2
GE 1000	50.7	52.2	67.7	72.9	87.0	89.3	94.2	95.3	95.9	96.5	96.8	96.8	96.8	96.8	97.1	97.1
GE 900	50.7	52.2	67.7	72.9	87.0	89.3	94.5	95.7	96.3	96.9	97.2	97.2	97.2	97.2	97.5	97.5
GE 800	50.7	52.2	67.7	72.9	87.0	89.3	94.5	95.7	96.3	96.9	97.2	97.4	97.4	97.4	97.7	97.7
GE 700	50.7	52.2	67.7	72.9	87.0	89.3	94.5	95.7	96.3	97.1	97.4	97.5	97.5	97.5	97.9	97.9
GE 600	50.7	52.2	67.7	72.9	87.0	89.3	94.8	96.0	96.6	97.4	97.7	97.9	97.9	97.9	98.2	98.2
GE 500	50.7	52.2	67.7	72.9	87.0	89.3	94.8	96.0	96.6	97.4	97.7	97.9	97.9	98.2	98.5	98.5
GE 400	50.7	52.2	67.7	72.9	87.0	89.3	94.8	96.0	96.6	97.4	97.7	97.9	97.9	98.5	98.8	98.8
GE 300	50.7	52.2	67.7	72.9	87.0	89.3	94.8	96.0	96.6	97.4	97.7	97.9	97.9	98.5	98.8	98.8
GE 200	50.7	52.2	67.7	72.9	87.0	89.3	94.8	96.0	96.6	97.4	98.0	98.2	98.5	99.1	99.5	99.5
GE 100	50.7	52.2	67.7	72.9	87.0	89.3	94.8	96.0	96.6	97.4	98.0	98.2	98.5	99.2	99.7	100.0
GE 000	50.7	52.2	67.7	72.9	87.0	89.3	94.8	96.0	96.6	97.4	98.0	98.2	98.5	99.2	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 653

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: SEP HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	30.5	31.1	36.7	38.7	42.5	43.0	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
GE 20000	34.6	35.4	41.5	43.4	48.0	48.5	48.8	48.9	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2
GE 18000	34.9	35.7	41.8	43.8	48.3	48.8	49.1	49.2	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.5
GE 16000	35.1	35.8	41.9	43.9	48.5	48.9	49.2	49.4	49.5	49.7	49.7	49.7	49.7	49.7	49.7	49.7
GE 14000	35.1	35.8	41.9	43.9	48.5	48.9	49.2	49.4	49.5	49.7	49.7	49.7	49.7	49.7	49.7	49.7
GE 12000	36.3	37.0	43.1	45.1	49.7	50.2	50.5	50.6	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9
GE 10000	38.0	38.7	45.3	47.4	52.0	52.4	52.7	52.9	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2
GE 9000	39.9	40.7	47.6	49.8	54.4	54.9	55.2	55.3	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6
GE 8000	45.6	46.3	53.5	56.1	61.0	61.6	61.9	62.0	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3
GE 7000	47.3	48.0	55.6	58.5	63.4	64.0	64.3	64.5	64.6	64.8	64.8	64.8	64.8	64.8	64.8	64.8
GE 6000	47.9	48.6	56.3	59.1	64.0	64.6	64.9	65.1	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 5000	51.4	52.1	59.9	62.8	67.8	68.4	68.8	68.9	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2
GE 4500	53.5	54.3	62.2	65.2	70.3	70.9	71.2	71.3	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6
GE 4000	57.5	58.4	66.8	70.0	75.9	76.5	76.8	77.0	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3
GE 3500	64.9	65.9	74.4	77.9	84.5	85.1	85.5	85.7	85.8	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 3000	70.1	71.2	80.5	85.2	92.4	93.0	93.4	93.6	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 2500	71.5	72.6	82.2	86.9	94.4	95.0	95.4	95.6	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 2000	72.0	73.0	82.6	87.5	95.4	96.2	96.6	96.8	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 1800	72.0	73.0	82.6	87.7	95.7	96.5	97.0	97.1	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 1500	72.1	73.2	83.1	88.1	96.5	97.3	97.7	97.9	98.0	98.2	98.2	98.2	98.3	98.3	98.3	98.3
GE 1200	72.3	73.3	83.5	88.7	97.1	97.9	98.3	98.5	98.6	98.9	98.9	98.9	99.1	99.1	99.1	99.1
GE 1000	72.6	73.8	84.0	89.3	97.7	98.5	98.9	99.1	99.2	99.5	99.5	99.5	99.7	99.7	99.7	99.7
GE 900	72.6	73.8	84.0	89.3	97.7	98.5	98.9	99.1	99.2	99.5	99.5	99.5	99.7	99.7	99.7	99.7
GE 800	72.6	73.8	84.0	89.3	97.7	98.5	98.9	99.1	99.2	99.5	99.5	99.5	99.7	99.7	99.7	99.7
GE 700	72.6	73.8	84.0	89.3	97.7	98.5	98.9	99.1	99.2	99.5	99.5	99.5	99.7	99.7	99.7	99.7
GE 600	72.6	73.8	84.0	89.3	97.7	98.5	98.9	99.1	99.2	99.5	99.5	99.5	99.7	99.7	99.7	99.7
GE 500	72.6	73.8	84.0	89.3	97.7	98.5	98.9	99.1	99.2	99.5	99.5	99.5	99.7	99.7	99.7	99.7
GE 400	72.6	73.8	84.0	89.3	97.7	98.5	98.9	99.1	99.2	99.5	99.5	99.5	99.7	99.7	99.7	99.7
GE 300	72.6	73.8	84.0	89.3	97.7	98.5	98.9	99.1	99.2	99.5	99.5	99.5	99.7	99.7	99.7	99.7
GE 200	72.6	73.8	84.0	89.3	97.7	98.5	98.9	99.1	99.2	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 100	72.6	73.8	84.0	89.3	97.7	98.5	98.9	99.1	99.2	99.7	99.8	99.8	100.0	100.0	100.0	100.0
GE 000	72.6	73.8	84.0	89.3	97.7	98.5	98.9	99.1	99.2	99.7	99.8	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 656

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: SEP HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	33.6	34.3	40.6	42.6	44.1	44.5	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
GE 20000	39.6	40.3	47.5	50.2	51.8	52.2	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
GE 18000	39.8	40.5	47.7	50.3	52.0	52.3	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
GE 16000	39.8	40.5	47.7	50.3	52.0	52.3	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
GE 14000	40.0	40.6	47.8	50.5	52.2	52.5	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
GE 12000	41.5	42.1	49.3	52.0	53.7	54.0	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
GE 10000	43.3	44.0	51.2	53.8	55.5	55.9	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
GE 9000	45.0	45.7	52.8	55.5	57.4	57.7	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
GE 8000	50.8	51.8	59.4	62.2	64.4	64.7	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 7000	51.8	52.8	60.9	63.7	66.6	66.9	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
GE 6000	52.3	53.3	61.5	64.4	67.6	67.9	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
GE 5000	55.5	56.7	64.9	67.9	71.2	71.6	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
GE 4500	58.2	59.4	67.9	70.9	74.2	74.6	75.1	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 4000	64.5	65.9	75.4	79.1	82.9	83.3	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 3500	69.9	71.6	81.4	85.5	89.5	89.8	90.3	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
GE 3000	73.9	75.6	85.8	90.5	94.8	95.2	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 2500	74.9	76.6	86.8	91.5	95.8	96.2	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 2000	75.9	77.6	88.1	93.0	97.5	97.8	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 1800	75.9	77.6	88.3	93.1	97.7	98.0	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1500	75.9	77.6	88.3	93.1	97.7	98.0	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1200	75.9	77.6	88.5	93.5	98.2	98.5	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1000	75.9	77.6	88.6	93.6	98.3	98.7	99.2	99.3	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7
GE 900	75.9	77.6	88.6	93.6	98.3	98.7	99.2	99.3	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7
GE 800	75.9	77.6	88.8	94.0	98.7	99.0	99.5	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0
GE 700	75.9	77.6	88.8	94.0	98.7	99.0	99.5	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0
GE 600	75.9	77.6	88.8	94.0	98.7	99.0	99.5	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0
GE 500	75.9	77.6	88.8	94.0	98.7	99.0	99.5	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0
GE 400	75.9	77.6	88.8	94.0	98.7	99.0	99.5	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0
GE 300	75.9	77.6	88.8	94.0	98.7	99.0	99.5	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0
GE 200	75.9	77.6	88.8	94.0	98.7	99.0	99.5	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0
GE 100	75.9	77.6	88.8	94.0	98.7	99.0	99.5	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0
GE 000	75.9	77.6	88.8	94.0	98.7	99.0	99.5	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 598

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: SEP HOURS: 18-20

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	27.1	27.5	36.4	40.1	42.8	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
GE 20000	33.5	33.9	43.2	47.7	51.0	51.9	52.1	52.3	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
GE 18000	33.5	33.9	43.2	47.7	51.2	52.1	52.3	52.5	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
GE 16000	33.5	33.9	43.2	47.7	51.2	52.1	52.3	52.5	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
GE 14000	33.5	33.9	43.2	47.7	51.2	52.1	52.3	52.5	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
GE 12000	34.3	34.9	44.2	48.8	52.3	53.1	53.3	53.5	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
GE 10000	37.2	38.2	47.7	52.3	56.2	57.0	57.2	57.4	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
GE 9000	37.6	38.6	48.6	53.1	57.4	58.3	58.5	58.7	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
GE 8000	42.6	43.8	54.1	59.3	64.3	65.3	65.7	65.9	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 7000	43.4	44.6	55.6	61.4	66.7	67.8	68.2	68.4	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE 6000	43.6	44.8	56.4	62.2	67.8	68.8	69.2	69.4	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
GE 5000	46.9	48.1	60.5	66.7	72.5	73.6	74.0	74.2	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
GE 4500	51.4	52.7	65.5	71.9	77.7	78.7	79.1	79.3	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
GE 4000	57.4	58.7	71.9	78.3	84.5	85.5	86.0	86.2	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 3500	59.7	61.0	74.8	81.8	89.0	90.1	90.5	90.7	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 3000	61.4	62.6	77.9	85.5	93.4	94.4	95.0	95.2	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 2500	61.8	63.0	78.5	86.4	94.4	95.7	96.3	96.5	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 2000	62.6	63.8	79.8	87.6	95.7	96.9	97.5	97.7	98.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1800	62.6	63.8	79.8	87.6	95.7	96.9	97.5	97.7	98.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1500	62.6	63.8	79.8	87.6	95.9	97.1	97.7	97.9	98.3	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1200	62.6	63.8	79.8	87.8	96.1	97.3	97.9	98.1	98.6	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1000	62.6	63.8	79.8	87.8	96.3	97.5	98.1	98.3	98.8	99.6	99.6	99.6	99.6	99.8	99.8	99.8
GE 900	62.6	63.8	79.8	87.8	96.3	97.5	98.1	98.3	98.8	99.6	99.6	99.6	99.6	99.8	99.8	99.8
GE 800	62.6	63.8	79.8	87.8	96.3	97.5	98.3	98.6	99.0	99.8	99.8	99.8	99.8	100.0	100.0	100.0
GE 700	62.6	63.8	79.8	87.8	96.3	97.5	98.3	98.6	99.0	99.8	99.8	99.8	99.8	100.0	100.0	100.0
GE 600	62.6	63.8	79.8	87.8	96.3	97.5	98.3	98.6	99.0	99.8	99.8	99.8	99.8	100.0	100.0	100.0
GE 500	62.6	63.8	79.8	87.8	96.3	97.5	98.3	98.6	99.0	99.8	99.8	99.8	99.8	100.0	100.0	100.0
GE 400	62.6	63.8	79.8	87.8	96.3	97.5	98.3	98.6	99.0	99.8	99.8	99.8	99.8	100.0	100.0	100.0
GE 300	62.6	63.8	79.8	87.8	96.3	97.5	98.3	98.6	99.0	99.8	99.8	99.8	99.8	100.0	100.0	100.0
GE 200	62.6	63.8	79.8	87.8	96.3	97.5	98.3	98.6	99.0	99.8	99.8	99.8	99.8	100.0	100.0	100.0
GE 100	62.6	63.8	79.8	87.8	96.3	97.5	98.3	98.6	99.0	99.8	99.8	99.8	99.8	100.0	100.0	100.0
GE 000	62.6	63.8	79.8	87.8	96.3	97.5	98.3	98.6	99.0	99.8	99.8	99.8	99.8	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 484

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: SEP HOURS: 21-23

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	23.1	23.4	33.4	37.6	43.1	44.5	44.8	44.8	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
GE 20000	25.5	25.9	35.9	40.0	47.2	48.6	49.0	49.0	49.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3
GE 18000	25.5	25.9	35.9	40.0	47.9	49.3	49.7	49.7	50.3	51.0	51.0	51.0	51.0	51.0	51.0	51.0
GE 16000	25.5	25.9	35.9	40.0	47.9	49.3	49.7	49.7	50.3	51.0	51.0	51.0	51.0	51.0	51.0	51.0
GE 14000	25.5	25.9	35.9	40.0	47.9	49.3	49.7	49.7	50.3	51.0	51.0	51.0	51.0	51.0	51.0	51.0
GE 12000	26.9	27.2	37.2	41.4	49.3	50.7	51.0	51.0	51.7	52.4	52.4	52.4	52.4	52.4	52.4	52.4
GE 10000	28.6	29.0	39.0	43.1	51.7	53.1	53.4	53.4	54.1	54.8	54.8	54.8	54.8	54.8	54.8	54.8
GE 9000	28.6	29.0	39.0	43.4	53.1	54.5	54.8	54.8	55.5	56.2	56.2	56.2	56.2	56.2	56.2	56.2
GE 8000	32.1	32.4	43.4	48.6	59.3	60.7	61.0	61.0	61.7	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 7000	32.4	32.8	44.5	49.7	61.4	62.8	63.1	63.1	63.8	64.5	64.5	64.5	64.5	64.5	64.5	64.5
GE 6000	32.4	32.8	44.8	50.0	61.7	63.1	63.4	63.4	64.1	64.8	64.8	64.8	64.8	64.8	64.8	64.8
GE 5000	34.8	35.2	49.0	54.5	66.6	67.9	68.3	68.3	69.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
GE 4500	39.7	40.0	54.5	60.0	72.1	73.4	73.8	73.8	74.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
GE 4000	47.2	47.6	63.1	69.0	81.4	82.8	83.1	83.1	83.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
GE 3500	50.0	50.3	67.2	74.1	86.9	88.3	88.6	88.6	89.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 3000	51.4	51.7	70.3	78.3	92.4	93.8	94.1	94.1	94.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 2500	51.4	51.7	70.3	78.6	92.8	94.1	94.5	94.5	95.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 2000	52.1	52.4	71.4	80.3	94.8	96.2	96.6	96.6	97.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1800	52.1	52.4	71.4	80.3	94.8	96.2	96.6	96.6	97.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1500	52.1	52.4	71.4	80.3	94.8	96.2	96.6	96.6	97.2	98.6	99.0	99.0	99.0	99.0	99.0	99.0
GE 1200	52.1	52.4	71.4	80.3	94.8	96.2	96.6	96.6	97.2	98.6	99.0	99.0	99.0	99.0	99.0	99.0
GE 1000	52.1	52.4	71.4	80.3	94.8	96.2	96.6	96.6	97.2	98.6	99.0	99.0	99.0	99.0	99.0	99.0
GE 900	52.1	52.4	71.4	80.3	94.8	96.2	96.6	96.6	97.2	98.6	99.0	99.0	99.0	99.0	99.0	99.0
GE 800	52.1	52.4	71.4	80.3	94.8	96.2	96.6	96.6	97.2	98.6	99.0	99.0	99.0	99.0	99.0	99.0
GE 700	52.1	52.4	71.4	80.3	95.2	96.6	96.9	96.9	97.6	99.0	99.3	99.3	99.3	99.3	99.3	99.3
GE 600	52.1	52.4	71.4	80.3	95.2	96.6	96.9	96.9	97.6	99.0	99.3	99.3	99.3	99.3	99.3	99.3
GE 500	52.1	52.4	71.4	80.3	95.2	96.6	96.9	96.9	97.6	99.0	99.3	99.3	99.3	99.3	99.3	99.3
GE 400	52.1	52.4	71.4	80.3	95.2	96.6	96.9	96.9	97.9	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	52.1	52.4	71.4	80.3	95.2	96.6	96.9	96.9	97.9	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	52.1	52.4	71.4	80.3	95.2	96.6	96.9	96.9	97.9	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	52.1	52.4	71.4	80.3	95.2	96.6	96.9	96.9	97.9	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	52.1	52.4	71.4	80.3	95.2	96.6	96.9	96.9	97.9	99.7	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 290

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: SEP HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	25.4	25.9	33.2	35.9	40.1	41.1	42.1	42.6	42.9	43.1	43.4	43.6	43.7	43.9	43.9	44.1
GE 20000	28.9	29.5	37.3	40.3	45.1	46.1	47.3	47.9	48.2	48.6	48.9	49.1	49.2	49.4	49.5	49.7
GE 18000	29.1	29.7	37.5	40.6	45.5	46.5	47.7	48.3	48.6	49.0	49.3	49.5	49.6	49.8	49.9	50.1
GE 16000	29.2	29.7	37.6	40.6	45.5	46.6	47.8	48.3	48.7	49.1	49.4	49.6	49.7	49.9	50.0	50.2
GE 14000	29.2	29.8	37.7	40.7	45.6	46.7	47.9	48.4	48.8	49.2	49.5	49.7	49.7	50.0	50.0	50.3
GE 12000	30.0	30.7	38.6	41.7	46.6	47.6	48.8	49.4	49.7	50.1	50.5	50.6	50.7	50.9	51.0	51.2
GE 10000	31.7	32.5	40.6	43.7	48.8	50.0	51.2	51.8	52.2	52.6	53.0	53.1	53.2	53.4	53.5	53.7
GE 9000	33.0	33.8	42.0	45.3	50.8	52.0	53.3	53.8	54.2	54.6	55.0	55.2	55.3	55.5	55.6	55.8
GE 8000	37.1	38.0	47.1	50.8	57.2	58.4	59.8	60.4	60.9	61.3	61.7	61.8	61.9	62.1	62.2	62.5
GE 7000	38.3	39.2	48.7	52.7	59.5	60.7	62.1	62.7	63.1	63.5	63.9	64.1	64.2	64.4	64.5	64.7
GE 6000	39.0	39.9	49.6	53.6	60.5	61.7	63.1	63.7	64.1	64.5	65.0	65.1	65.2	65.4	65.5	65.7
GE 5000	41.4	42.3	52.5	56.7	63.9	65.1	66.5	67	67.5	68.0	68.4	68.6	68.7	68.9	69.0	69.2
GE 4500	44.2	45.1	55.7	60.0	67.3	68.6	70.0	70.6	71.1	71.5	71.9	72.1	72.2	72.4	72.5	72.7
GE 4000	49.0	50.0	61.3	66.0	74.0	75.5	76.9	77.5	78.0	78.5	78.5	79.1	79.2	79.4	79.5	79.7
GE 3500	53.0	54.1	65.8	71.0	79.8	81.4	82.9	83.6	84.0	84.5	84.9	85.1	85.2	85.4	85.5	85.7
GE 3000	56.3	57.4	70.3	76.2	85.7	87.3	89.0	89.7	90.2	90.8	91.3	91.4	91.5	91.8	91.9	92.1
GE 2500	57.0	58.2	71.2	77.2	87.0	88.6	90.4	91.1	91.6	92.2	92.7	92.8	92.9	93.2	93.3	93.5
GE 2000	58.0	59.2	72.6	78.8	88.9	90.7	92.6	93.4	94.0	94.6	95.1	95.3	95.4	95.6	95.7	95.9
GE 1800	58.0	59.2	72.7	78.9	89.1	90.9	92.8	93.6	94.2	94.9	95.4	95.5	95.6	95.9	96.0	96.2
GE 1500	58.2	59.4	73.0	79.4	89.7	91.6	93.5	94.4	95.1	95.8	96.3	96.5	96.6	96.9	97.0	97.2
GE 1200	58.3	59.5	73.2	79.6	90.1	92.0	94.1	95.0	95.6	96.4	96.9	97.1	97.2	97.5	97.6	97.8
GE 1000	58.3	59.6	73.3	79.8	90.4	92.3	94.4	95.3	96.0	96.8	97.3	97.5	97.7	97.9	98.0	98.3
GE 900	58.3	59.6	73.3	79.8	90.4	92.3	94.5	95.4	96.1	97.0	97.5	97.7	97.9	98.1	98.3	98.5
GE 800	58.3	59.6	73.3	79.9	90.4	92.4	94.6	95.5	96.2	97.1	97.6	97.8	98.0	98.3	98.4	98.6
GE 700	58.3	59.6	73.3	79.9	90.5	92.5	94.7	95.6	96.3	97.2	97.7	98.0	98.1	98.4	98.5	98.8
GE 600	58.3	59.6	73.3	79.9	90.5	92.5	94.8	95.7	96.4	97.3	97.8	98.1	98.2	98.5	98.6	98.9
GE 500	58.3	59.6	73.3	79.9	90.5	92.5	94.8	95.7	96.4	97.4	97.9	98.2	98.3	98.7	98.9	99.1
GE 400	58.3	59.6	73.3	79.9	90.5	92.5	94.8	95.7	96.5	97.4	98.0	98.3	98.4	98.9	99.0	99.3
GE 300	58.3	59.6	73.3	79.9	90.5	92.5	94.8	95.7	96.5	97.5	98.1	98.3	98.5	98.9	99.2	99.4
GE 200	58.3	59.6	73.3	79.9	90.5	92.5	94.8	95.7	96.5	97.5	98.2	98.4	98.6	99.1	99.4	99.7
GE 100	58.3	59.6	73.3	79.9	90.5	92.5	94.8	95.7	96.5	97.5	98.2	98.4	98.7	99.2	99.5	100.0
GE 000	58.3	59.6	73.3	79.9	90.5	92.5	94.8	95.7	96.5	97.5	98.2	98.4	98.7	99.2	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 3327

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: OCT HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	12.3	12.5	16.2	18.9	21.1	22.1	22.6	23.8	24.2	25.1	25.3	25.7	26.0	26.8	27.4	29.2
GE 20000	13.2	13.8	18.3	21.3	24.5	25.5	26.4	27.5	27.9	28.9	29.1	29.4	29.8	30.6	31.1	33.6
GE 18000	13.2	14.0	18.5	21.5	24.7	25.7	26.6	27.7	28.1	29.1	29.2	29.6	30.0	30.8	31.3	33.8
GE 16000	13.2	14.0	18.5	21.5	24.7	25.7	26.6	27.7	28.1	29.1	29.2	29.6	30.0	30.8	31.3	33.8
GE 14000	13.2	14.0	18.5	21.5	24.9	26.0	27.0	28.1	28.5	29.4	29.6	30.0	30.4	31.1	31.7	34.2
GE 12000	13.2	14.0	18.5	21.5	25.3	26.4	27.4	28.5	28.9	29.8	30.0	30.4	30.8	31.5	32.1	34.5
GE 10000	14.3	15.1	20.2	23.4	27.9	29.1	30.0	31.1	31.7	32.6	32.8	33.2	33.6	34.3	34.9	37.4
GE 9000	15.8	16.6	22.3	25.5	30.6	31.7	32.6	33.8	34.5	35.5	35.7	36.0	36.4	37.2	37.7	40.2
GE 8000	17.4	18.1	24.2	27.9	33.6	34.7	35.7	36.8	37.5	38.5	38.7	39.1	39.4	40.2	40.8	43.2
GE 7000	17.9	18.7	25.3	29.1	35.5	36.6	37.9	39.1	39.8	40.9	41.1	41.5	41.9	42.6	43.2	45.7
GE 6000	18.1	19.1	25.7	29.4	36.0	37.2	38.7	39.8	40.6	41.9	42.1	42.5	42.8	43.6	44.2	46.6
GE 5000	19.6	20.6	27.9	32.1	38.9	40.0	41.5	42.6	43.6	44.9	45.1	45.7	46.0	46.8	47.4	49.8
GE 4500	21.1	22.1	29.6	33.8	40.6	41.7	43.4	44.5	45.5	46.8	47.0	47.5	47.9	48.7	49.2	51.7
GE 4000	24.2	25.1	33.8	38.1	45.8	47.0	48.7	49.8	50.8	52.1	52.3	52.8	53.2	54.0	54.5	57.0
GE 3500	26.2	27.2	36.0	41.7	50.0	51.3	53.0	54.2	55.1	56.6	57.0	57.7	58.1	58.9	59.4	61.9
GE 3000	27.9	28.9	38.3	44.2	53.0	55.5	57.5	58.7	59.8	61.3	61.9	62.6	63.0	63.8	64.3	67.0
GE 2500	29.2	30.4	40.4	47.0	57.2	59.8	62.3	63.6	64.7	66.6	67.4	68.1	68.5	69.2	69.8	72.5
GE 2000	29.6	30.8	41.7	48.9	60.9	65.3	67.7	69.1	70.2	72.1	73.4	74.2	74.7	75.5	76.0	78.7
GE 1800	29.6	30.8	41.9	49.1	61.3	65.7	68.1	69.4	70.9	72.8	74.2	74.9	75.5	76.2	76.8	79.4
GE 1500	30.8	31.9	44.0	52.3	65.1	69.6	72.3	73.8	75.5	77.5	78.9	79.6	80.2	80.9	81.5	84.2
GE 1200	31.1	32.3	44.5	53.4	66.2	71.1	74.2	75.8	77.5	79.6	80.9	82.1	82.6	83.4	84.0	86.6
GE 1000	31.1	32.3	44.5	53.4	67.5	72.8	75.8	77.5	79.2	81.3	82.8	84.0	84.5	85.3	85.8	88.5
GE 900	31.1	32.3	44.5	53.4	67.5	72.8	75.8	77.5	79.2	81.5	83.0	84.2	84.7	85.5	86.0	88.7
GE 800	31.1	32.3	44.5	53.4	67.5	72.8	75.8	77.5	79.2	81.5	83.0	84.2	84.7	85.5	86.0	88.7
GE 700	31.1	32.3	44.5	53.4	67.5	72.8	75.8	77.7	79.6	81.9	83.6	84.7	85.3	86.2	87.0	89.8
GE 600	31.1	32.3	44.5	53.4	67.5	73.0	76.0	77.9	79.8	82.1	83.8	84.9	85.5	86.4	87.4	90.2
GE 500	31.1	32.3	44.5	53.4	67.5	73.2	76.4	78.5	81.1	83.4	85.1	86.2	86.8	87.7	88.7	91.5
GE 400	31.1	32.3	44.5	53.4	67.9	73.6	77.2	79.2	81.9	84.2	85.8	87.0	87.5	88.5	89.6	92.6
GE 300	31.1	32.3	44.5	53.4	67.9	73.6	77.2	79.2	82.1	84.5	86.2	87.4	88.5	89.4	90.8	94.3
GE 200	31.1	32.3	44.5	53.4	67.9	73.6	77.2	79.4	82.3	84.7	86.4	87.9	89.6	90.9	92.3	97.5
GE 100	31.1	32.3	44.5	53.4	67.9	73.6	77.2	79.4	82.3	84.7	86.6	88.5	90.2	92.1	93.4	100.0
GE 000	31.1	32.3	44.5	53.4	67.9	73.6	77.2	79.4	82.3	84.7	86.6	88.5	90.2	92.1	93.4	100.0

TOTAL NUMBER OF OBSERVATIONS 530

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: OCT HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	14.8	15.1	19.7	21.8	25.8	26.8	27.9	28.5	29.1	29.6	29.6	29.8	29.9	30.4	30.4	30.4
GE 20000	15.9	16.4	22.0	24.4	28.7	29.6	30.9	31.5	32.3	32.8	32.8	33.0	33.1	33.6	33.6	33.8
GE 18000	15.9	16.4	22.0	24.4	28.7	29.6	30.9	31.5	32.3	32.8	32.8	33.0	33.1	33.6	33.6	33.8
GE 16000	15.9	16.4	22.0	24.4	28.7	29.6	30.9	31.5	32.3	32.8	32.8	33.0	33.1	33.6	33.6	33.8
GE 14000	15.9	16.4	22.1	24.5	29.0	29.9	31.2	31.8	32.6	33.1	33.1	33.3	33.4	33.9	33.9	34.1
GE 12000	16.2	16.9	22.6	25.0	29.8	30.7	32.0	32.6	33.4	33.9	33.9	34.1	34.2	34.7	34.7	34.9
GE 10000	18.3	19.1	25.3	27.9	33.4	34.4	35.7	36.3	37.3	37.9	37.9	38.1	38.2	38.7	38.7	38.9
GE 9000	20.1	21.0	27.5	30.1	36.1	37.1	38.4	39.0	40.0	40.6	40.6	40.8	40.9	41.4	41.4	41.6
GE 8000	22.6	23.6	30.9	33.4	40.0	41.4	42.8	43.5	44.4	45.1	45.1	45.2	45.4	45.9	45.9	46.0
GE 7000	23.7	24.7	32.3	35.0	41.9	43.3	44.9	45.5	46.5	47.1	47.1	47.3	47.5	47.9	47.9	48.1
GE 6000	24.0	25.0	32.8	35.5	42.7	44.3	45.9	46.5	47.5	48.1	48.1	48.2	48.4	48.9	48.9	49.0
GE 5000	26.8	27.7	36.1	38.9	46.0	47.6	49.4	50.5	51.4	52.1	52.2	52.5	52.7	53.2	53.2	53.3
GE 4500	27.7	28.7	37.3	40.0	47.3	48.9	50.6	51.8	52.7	53.3	53.5	53.8	54.0	54.5	54.5	54.6
GE 4000	29.9	31.1	40.8	43.8	51.8	53.3	55.1	56.4	57.5	58.1	58.6	58.9	59.1	59.6	59.6	59.9
GE 3500	32.5	33.6	43.5	46.7	54.8	56.4	58.1	59.4	60.5	61.3	61.8	62.1	62.3	62.7	62.7	63.1
GE 3000	36.6	37.9	48.7	52.4	61.0	63.1	65.4	67.0	68.2	68.9	69.4	69.7	69.9	70.4	70.4	70.7
GE 2500	37.9	39.2	50.6	54.3	63.9	66.2	68.6	70.2	71.3	72.1	73.1	73.4	73.6	74.0	74.0	74.4
GE 2000	40.1	41.6	54.0	58.0	68.3	71.8	74.4	76.0	77.1	78.0	79.0	79.3	79.5	79.9	79.9	80.3
GE 1800	40.6	42.0	54.8	58.9	69.7	73.2	75.8	77.4	78.5	79.5	80.4	80.7	80.9	81.4	81.4	81.7
GE 1500	41.2	42.7	56.7	61.5	73.6	77.2	79.8	81.4	82.6	83.6	84.7	85.0	85.2	85.7	85.7	86.0
GE 1200	42.7	44.1	58.3	63.1	75.8	79.5	82.8	84.6	86.0	86.9	88.1	88.4	88.5	89.0	89.0	89.3
GE 1000	42.7	44.1	58.4	63.2	76.8	80.7	84.2	86.3	87.7	88.9	90.0	90.3	90.4	90.9	90.9	91.2
GE 900	42.7	44.1	58.4	63.2	77.4	81.4	84.9	86.9	88.4	89.5	90.6	90.9	91.1	91.6	91.6	91.9
GE 800	42.7	44.1	58.4	63.2	77.5	81.5	85.0	87.1	88.5	89.6	90.8	91.1	91.2	91.7	91.7	92.0
GE 700	42.7	44.1	58.4	63.2	77.5	81.7	85.2	87.3	88.7	90.0	91.1	91.4	91.6	92.0	92.0	92.4
GE 600	42.7	44.1	58.4	63.2	77.5	82.0	85.7	87.7	89.5	90.8	91.9	92.4	92.5	93.0	93.0	93.3
GE 500	42.7	44.1	58.4	63.2	77.5	82.0	85.8	87.9	90.0	91.2	92.4	92.8	93.2	93.6	93.6	93.9
GE 400	42.7	44.1	58.4	63.2	77.5	82.2	86.1	88.2	90.3	91.9	93.3	93.8	94.6	95.1	95.1	95.7
GE 300	42.7	44.1	58.4	63.2	77.5	82.2	86.1	88.2	90.3	92.0	94.1	94.7	96.7	97.1	97.3	98.1
GE 200	42.7	44.1	58.4	63.2	77.5	82.2	86.1	88.2	90.3	92.0	94.1	94.7	96.8	97.5	98.1	99.5
GE 100	42.7	44.1	58.4	63.2	77.5	82.2	86.1	88.2	90.3	92.0	94.1	94.7	96.8	97.6	98.4	100.0
GE 000	42.7	44.1	58.4	63.2	77.5	82.2	86.1	88.2	90.3	92.0	94.1	94.7	96.8	97.6	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 628

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: OCT HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	19.6	19.9	24.5	26.9	30.1	31.3	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
GE 20000	23.1	23.4	28.5	31.6	35.4	37.0	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
GE 18000	23.1	23.4	28.5	31.6	35.4	37.0	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
GE 16000	23.1	23.4	28.5	31.6	35.4	37.0	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
GE 14000	23.4	23.7	28.8	31.9	35.7	37.3	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
GE 12000	23.9	24.2	29.3	32.4	36.2	37.8	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
GE 10000	26.0	26.6	31.7	34.8	39.1	40.7	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
GE 9000	28.4	29.0	34.5	37.8	42.1	43.8	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
GE 8000	32.2	32.9	38.6	42.3	46.6	48.2	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
GE 7000	34.5	35.1	41.3	45.0	49.4	51.0	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
GE 6000	34.9	35.6	41.8	45.5	50.0	51.6	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
GE 5000	36.7	37.8	44.1	48.2	52.9	54.6	55.6	55.6	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
GE 4500	38.3	39.4	45.8	50.0	54.6	56.4	57.4	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
GE 4000	43.8	44.9	51.6	55.9	61.1	63.1	64.1	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
GE 3500	47.3	48.6	55.9	60.4	65.5	67.6	68.8	68.9	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
GE 3000	50.0	51.3	59.8	64.6	71.2	73.4	74.5	74.8	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
GE 2500	53.2	54.5	63.8	68.9	76.4	78.8	80.0	80.3	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
GE 2000	56.4	57.7	67.8	74.8	82.5	85.1	86.4	86.9	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 1800	57.4	58.7	68.9	76.6	84.6	87.2	88.6	89.1	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 1500	58.0	59.3	70.2	78.2	87.0	89.6	91.2	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 1200	59.1	60.4	71.6	79.8	89.4	92.0	93.8	94.2	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 1000	59.1	60.4	71.6	80.0	90.4	93.3	95.7	96.3	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 900	59.1	60.4	71.6	80.0	90.4	93.3	95.7	96.3	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 800	59.1	60.4	71.6	80.0	90.5	93.4	95.8	96.6	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 700	59.1	60.4	71.6	80.0	90.5	93.4	96.0	96.8	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 600	59.1	60.4	71.6	80.0	90.5	93.4	96.2	97.0	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 500	59.1	60.4	71.6	80.0	90.5	93.4	96.2	97.0	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 400	59.1	60.4	71.6	80.0	90.5	93.4	96.2	97.1	98.4	98.7	99.4	99.5	99.5	99.5	99.5	99.5
GE 300	59.1	60.4	71.6	80.0	90.5	93.4	96.2	97.1	98.4	98.7	99.7	99.8	99.8	99.8	99.8	99.8
GE 200	59.1	60.4	71.6	80.0	90.5	93.4	96.2	97.1	98.4	98.7	99.7	99.8	99.8	99.8	100.0	100.0
GE 100	59.1	60.4	71.6	80.0	90.5	93.4	96.2	97.1	98.4	98.7	99.7	99.8	99.8	99.8	100.0	100.0
GE 000	59.1	60.4	71.6	80.0	90.5	93.4	96.2	97.1	98.4	98.7	99.7	99.8	99.8	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 624

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: OCT HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	25.7	26.2	30.2	31.6	34.8	35.0	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
GE 20000	29.2	30.0	34.5	36.8	40.0	40.6	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
GE 18000	29.2	30.0	34.5	36.8	40.0	40.6	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
GE 16000	29.2	30.0	34.5	36.8	40.1	40.8	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
GE 14000	29.4	30.2	34.7	36.9	40.3	40.9	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
GE 12000	30.0	31.0	35.6	37.9	41.6	42.2	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
GE 10000	31.8	32.9	37.7	40.1	44.5	45.1	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
GE 9000	32.9	34.0	38.8	41.3	46.1	46.7	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
GE 8000	36.1	37.4	43.0	46.1	51.2	51.8	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
GE 7000	38.7	40.0	45.9	49.0	54.3	54.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
GE 6000	39.3	40.6	46.5	49.6	54.9	55.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
GE 5000	42.7	44.3	51.2	54.4	60.2	61.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
GE 4500	44.6	46.4	53.8	57.1	63.4	64.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
GE 4000	50.2	52.0	60.0	63.4	70.8	71.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
GE 3500	53.5	55.2	63.7	67.1	75.3	76.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
GE 3000	57.9	59.7	69.5	73.5	83.8	84.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 2500	59.1	60.8	71.3	75.4	85.9	87.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 2000	60.4	62.1	72.6	77.8	88.9	90.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 1800	60.5	62.3	73.4	78.7	90.2	91.3	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 1500	60.8	62.6	74.3	79.6	91.7	92.8	93.9	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 1200	61.3	63.1	75.0	80.9	94.2	95.3	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 1000	61.6	63.4	75.3	81.2	94.7	96.0	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 900	61.6	63.4	75.4	81.4	94.9	96.1	97.9	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 800	61.6	63.4	75.4	81.4	94.9	96.1	97.9	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 700	61.6	63.4	75.4	81.4	94.9	96.1	97.9	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 600	61.6	63.4	75.4	81.4	94.9	96.1	98.4	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 500	61.6	63.4	75.4	81.4	94.9	96.1	98.4	98.9	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 400	61.6	63.4	75.4	81.4	94.9	96.1	98.4	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	61.6	63.4	75.4	81.4	94.9	96.1	98.4	99.4	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 200	61.6	63.4	75.4	81.4	94.9	96.1	98.4	99.4	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 100	61.6	63.4	75.4	81.4	94.9	96.1	98.4	99.4	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 000	61.6	63.4	75.4	81.4	94.9	96.1	98.4	99.4	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 623

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: BANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: OCT HOURS: 18-20

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	22.1	23.2	27.7	31.4	37.1	40.6	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.4	42.4	42.4
GE 20000	23.2	24.6	30.7	34.6	41.0	44.5	46.3	46.5	46.5	46.5	46.5	46.5	46.5	46.7	46.7	46.7
GE 18000	23.2	24.6	30.7	34.6	41.0	44.5	46.3	46.5	46.5	46.5	46.5	46.5	46.5	46.7	46.7	46.7
GE 16000	23.2	24.6	30.7	34.6	41.0	44.5	46.3	46.5	46.5	46.5	46.5	46.5	46.5	46.7	46.7	46.7
GE 14000	23.2	24.6	30.7	34.6	41.0	44.5	46.3	46.5	46.5	46.5	46.5	46.5	46.5	46.7	46.7	46.7
GE 12000	23.4	25.0	31.8	35.7	42.2	45.7	47.5	47.7	47.7	47.7	47.7	47.7	47.7	47.9	47.9	47.9
GE 10000	24.4	26.0	33.4	37.7	44.9	48.4	51.0	51.2	51.2	51.2	51.2	51.2	51.2	51.4	51.4	51.4
GE 9000	24.8	26.4	33.8	38.1	45.5	49.0	51.6	51.8	51.8	51.8	51.8	51.8	51.8	52.0	52.0	52.0
GE 8000	26.6	28.3	36.9	41.2	48.8	52.3	55.1	55.3	55.3	55.3	55.3	55.3	55.3	55.5	55.5	55.5
GE 7000	28.5	30.3	39.3	43.6	51.8	55.3	58.0	58.2	58.2	58.2	58.2	58.2	58.2	58.4	58.4	58.4
GE 6000	28.5	30.3	39.3	43.6	51.8	55.3	58.0	58.2	58.2	58.2	58.2	58.2	58.2	58.4	58.4	58.4
GE 5000	31.4	33.2	42.4	46.7	55.9	59.6	62.3	62.5	62.5	62.5	62.5	62.5	62.5	62.7	62.7	62.7
GE 4500	32.8	34.6	44.5	49.0	59.4	63.1	65.8	66.0	66.0	66.0	66.0	66.0	66.0	66.2	66.2	66.2
GE 4000	35.5	37.5	49.6	54.3	66.4	70.1	73.4	73.6	73.6	73.6	73.6	73.6	73.6	73.8	73.8	73.8
GE 3500	36.9	39.1	52.3	57.4	70.3	74.2	77.5	77.7	77.7	77.7	77.7	77.7	77.7	77.9	77.9	77.9
GE 3000	40.8	43.2	57.2	62.3	77.0	81.3	84.8	85.0	85.0	85.0	85.0	85.0	85.0	85.2	85.2	85.2
GE 2500	41.2	43.6	58.0	63.5	78.9	83.8	87.3	87.5	87.5	87.5	87.5	87.5	87.5	87.7	87.7	87.7
GE 2000	41.6	43.9	58.8	64.3	81.1	85.9	89.6	90.4	90.4	90.4	90.4	90.4	90.4	90.6	90.6	90.6
GE 1800	41.6	43.9	59.0	64.6	81.8	86.7	90.4	91.2	91.2	91.2	91.2	91.2	91.2	91.4	91.4	91.4
GE 1500	42.4	44.7	60.0	65.6	84.0	89.1	92.8	93.6	93.6	93.6	93.6	93.6	93.6	93.8	93.8	93.8
GE 1200	42.8	45.1	60.5	66.4	85.4	91.0	95.1	95.9	95.9	95.9	95.9	95.9	95.9	96.1	96.1	96.1
GE 1000	42.8	45.1	61.1	67.2	86.1	91.8	95.9	96.7	96.7	96.7	96.7	96.7	96.7	96.9	96.9	96.9
GE 900	42.8	45.1	61.1	67.6	86.5	92.2	96.3	97.1	97.5	97.5	97.5	97.5	97.5	97.7	97.7	97.7
GE 800	42.8	45.1	61.1	67.6	86.5	92.2	96.3	97.1	97.5	97.7	97.7	97.7	97.7	97.9	97.9	97.9
GE 700	42.8	45.1	61.1	67.6	86.5	92.2	96.3	97.1	97.5	97.7	97.7	97.7	97.7	97.9	97.9	97.9
GE 600	42.8	45.1	61.1	67.6	86.5	92.2	96.5	97.3	97.7	98.0	98.0	98.0	98.0	98.2	98.2	98.2
GE 500	42.8	45.1	61.1	67.6	86.5	92.2	96.5	97.3	97.9	98.4	98.4	98.4	98.4	98.6	98.6	98.6
GE 400	42.8	45.1	61.1	67.6	86.5	92.4	96.7	97.5	98.0	98.8	98.8	98.8	98.8	99.0	99.0	99.0
GE 300	42.8	45.1	61.1	67.6	86.5	92.4	96.7	97.5	98.0	98.8	98.8	98.8	98.8	99.0	99.0	99.0
GE 200	42.8	45.1	61.1	67.6	86.5	92.4	96.7	97.5	98.0	98.8	98.8	98.8	98.8	99.2	99.2	99.2
GE 100	42.8	45.1	61.1	67.6	86.5	92.4	96.7	97.5	98.0	98.8	98.8	98.8	99.2	99.4	99.4	99.8
GE 000	42.8	45.1	61.1	67.6	86.5	92.4	96.7	97.5	98.0	98.8	98.8	98.8	99.2	99.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 512

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: OCT HOURS: 21-23

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	19.8	20.1	28.5	32.3	41.0	44.4	48.3	49.0	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
GE 20000	20.1	20.5	29.9	34.0	42.7	46.5	50.3	51.0	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
GE 18000	20.1	20.5	29.9	34.0	42.7	46.5	50.3	51.0	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
GE 16000	20.1	20.5	29.9	34.0	42.7	46.5	50.3	51.0	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
GE 14000	20.1	20.5	29.9	34.0	42.7	46.5	50.3	51.0	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
GE 12000	20.5	20.8	30.9	35.1	43.8	48.3	52.1	52.8	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
GE 10000	20.8	21.2	32.3	36.5	45.1	49.7	53.8	54.5	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
GE 9000	21.5	21.9	33.0	37.2	45.8	50.3	54.5	55.2	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
GE 8000	24.3	24.7	38.5	43.1	51.7	56.3	60.4	61.1	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
GE 7000	24.3	24.7	38.5	43.1	51.7	56.3	60.4	61.1	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
GE 6000	24.3	24.7	38.5	43.1	51.7	56.3	60.4	61.1	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
GE 5000	27.1	27.4	41.3	45.8	54.5	59.0	63.5	64.2	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
GE 4500	28.1	28.5	43.1	47.9	56.9	61.5	66.3	67.4	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
GE 4000	31.9	32.3	47.6	52.8	64.2	69.4	74.3	75.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
GE 3500	34.0	34.4	51.4	56.9	69.1	74.3	79.2	80.2	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
GE 3000	36.1	36.5	54.9	60.8	75.0	80.2	85.1	86.1	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 2500	36.8	37.2	56.3	62.2	76.7	81.9	86.8	87.8	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
GE 2000	37.5	37.8	57.3	63.5	79.2	84.7	89.6	90.6	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 1800	37.5	37.8	57.3	63.5	79.2	84.7	89.6	90.6	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 1500	37.8	38.2	57.6	63.9	80.2	86.5	91.7	92.7	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 1200	38.2	38.5	58.0	64.9	81.6	87.8	93.4	94.4	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 1000	38.2	38.5	58.0	64.9	81.9	88.2	93.8	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 900	38.2	38.5	58.0	64.9	81.9	88.2	93.8	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 800	38.2	38.5	58.0	64.9	81.9	88.2	93.8	94.8	95.5	95.8	96.9	96.9	96.9	96.9	96.9	96.9
GE 700	38.2	38.5	58.0	65.3	82.3	88.5	94.1	95.1	95.8	96.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 600	38.2	38.5	58.0	65.3	82.3	88.5	94.1	95.1	95.8	96.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 500	38.2	38.5	58.3	65.6	82.6	88.9	94.4	95.5	96.2	96.5	97.6	97.6	97.6	97.6	98.3	98.6
GE 400	38.2	38.5	58.3	65.6	82.6	88.9	94.4	95.5	96.2	96.5	97.6	97.6	97.6	97.6	98.3	98.6
GE 300	38.2	38.5	58.3	65.6	82.6	88.9	94.4	95.5	96.2	96.5	97.6	97.6	97.6	97.6	98.3	98.6
GE 200	38.2	38.5	58.3	65.6	82.6	88.9	94.4	95.5	96.2	96.5	97.9	97.9	97.9	97.9	99.0	99.3
GE 100	38.2	38.5	58.3	65.6	82.6	88.9	94.4	95.5	96.2	96.5	97.9	97.9	97.9	97.9	99.0	99.7
GE 000	38.2	38.5	58.3	65.6	82.6	88.9	94.4	95.5	96.2	96.5	97.9	97.9	97.9	97.9	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 288

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: OCT HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	19.0	19.5	24.2	26.7	30.8	32.3	33.4	33.7	34.0	34.2	34.3	34.4	34.4	34.7	34.8	35.1
GE 20000	21.0	21.7	27.2	30.2	34.7	36.4	37.7	38.1	38.3	38.6	38.6	38.7	38.8	39.1	39.2	39.6
GE 18000	21.0	21.7	27.2	30.2	34.8	36.4	37.7	38.1	38.4	38.6	38.7	38.8	38.8	39.1	39.2	39.6
GE 16000	21.0	21.7	27.2	30.2	34.8	36.5	37.7	38.1	38.4	38.7	38.7	38.8	38.9	39.1	39.2	39.7
GE 14000	21.1	21.8	27.3	30.3	35.0	36.7	37.9	38.3	38.6	38.9	38.9	39.0	39.1	39.3	39.4	39.9
GE 12000	21.4	22.2	28.0	31.0	35.8	37.6	38.8	39.3	39.5	39.8	39.8	39.9	40.0	40.2	40.3	40.8
GE 10000	23.0	23.9	30.0	33.2	38.7	40.4	41.8	42.2	42.6	42.9	42.9	43.0	43.1	43.3	43.4	43.9
GE 9000	24.4	25.3	31.7	34.9	40.7	42.5	43.9	44.3	44.6	44.9	45.0	45.1	45.1	45.4	45.5	45.9
GE 8000	27.0	28.0	35.3	38.8	44.9	46.7	48.2	48.6	49.0	49.3	49.3	49.4	49.5	49.7	49.8	50.3
GE 7000	28.6	29.6	37.2	40.8	47.1	49.0	50.7	51.1	51.5	51.8	51.8	51.9	52.0	52.3	52.4	52.8
GE 6000	28.9	29.9	37.6	41.2	47.6	49.5	51.3	51.7	52.0	52.4	52.4	52.5	52.6	52.9	52.9	53.4
GE 5000	31.4	32.6	40.7	44.5	51.3	53.3	55.1	55.6	56.0	56.3	56.4	56.6	56.7	56.9	57.0	57.4
GE 4500	32.8	34.0	42.6	46.4	53.5	55.5	57.4	57.9	58.4	58.7	58.8	58.9	59.0	59.3	59.4	59.8
GE 4000	36.7	38.0	47.5	51.5	59.8	61.9	63.8	64.4	64.9	65.2	65.4	65.5	65.6	65.9	66.0	66.4
GE 3500	39.3	40.6	50.7	55.1	63.8	66.1	68.1	68.7	69.2	69.6	69.7	69.9	70.0	70.3	70.4	70.8
GE 3000	42.6	44.0	55.1	59.8	69.9	72.5	74.7	75.4	75.9	76.3	76.5	76.7	76.8	77.1	77.2	77.7
GE 2500	44.0	45.4	57.2	62.2	73.0	75.9	78.2	78.9	79.4	79.9	80.2	80.4	80.5	80.7	80.8	81.3
GE 2000	45.5	47.0	59.3	65.1	76.9	80.3	82.7	83.5	84.1	84.6	85.0	85.1	85.3	85.5	85.6	86.1
GE 1800	45.8	47.3	59.9	65.9	78.0	81.4	83.8	84.7	85.3	85.8	86.2	86.4	86.5	86.8	86.9	87.4
GE 1500	46.5	47.9	61.2	67.6	80.6	84.1	86.6	87.5	88.2	88.7	89.2	89.4	89.5	89.7	89.8	90.3
GE 1200	47.2	48.7	62.2	68.9	82.5	86.2	89.1	90.0	90.8	91.3	91.7	92.0	92.1	92.4	92.4	92.9
GE 1000	47.3	48.7	62.4	69.1	83.3	87.3	90.4	91.5	92.2	92.8	93.3	93.5	93.6	93.9	94.0	94.5
GE 900	47.3	48.7	62.4	69.2	83.6	87.5	90.6	91.7	92.5	93.1	93.6	93.9	94.0	94.2	94.3	94.8
GE 800	47.3	48.7	62.4	69.2	83.6	87.6	90.7	91.8	92.7	93.3	93.9	94.1	94.3	94.5	94.6	95.1
GE 700	47.3	48.7	62.4	69.3	83.7	87.6	90.8	92.0	92.8	93.5	94.1	94.4	94.5	94.8	94.9	95.4
GE 600	47.3	48.7	62.4	69.3	83.7	87.7	91.1	92.2	93.2	93.9	94.5	94.8	94.9	95.2	95.4	95.9
GE 500	47.3	48.7	62.4	69.3	83.7	87.8	91.2	92.4	93.6	94.4	95.0	95.3	95.5	95.8	96.0	96.5
GE 400	47.3	48.7	62.4	69.3	83.7	87.9	91.4	92.8	94.1	95.0	95.8	96.1	96.3	96.6	96.9	97.5
GE 300	47.3	48.7	62.4	69.3	83.7	87.9	91.4	92.8	94.1	95.1	96.1	96.4	97.0	97.3	97.6	98.4
GE 200	47.3	48.7	62.4	69.3	83.7	87.9	91.4	92.8	94.1	95.1	96.1	96.6	97.3	97.7	98.1	99.3
GE 100	47.3	48.7	62.4	69.3	83.7	87.9	91.4	92.8	94.1	95.1	96.2	96.7	97.4	97.9	98.4	99.9
GE 000	47.3	48.7	62.4	69.3	83.7	87.9	91.4	92.8	94.1	95.1	96.2	96.7	97.4	97.9	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 3205

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: NOV HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	12.6	13.0	15.5	17.8	21.1	22.2	24.1	25.5	26.6	26.8	26.8	26.8	26.8	27.0	27.0	27.4
GE 20000	13.0	13.4	16.5	19.5	23.6	24.9	26.8	28.2	29.3	29.7	29.7	29.7	29.7	29.9	29.9	30.3
GE 18000	13.2	13.6	16.7	19.7	23.8	25.1	27.0	28.5	29.5	29.9	29.9	29.9	29.9	30.1	30.1	30.5
GE 16000	13.2	13.6	16.7	19.7	23.8	25.1	27.0	28.5	29.5	29.9	29.9	29.9	29.9	30.1	30.1	30.5
GE 14000	13.2	13.6	16.7	19.7	23.8	25.1	27.0	28.5	29.5	29.9	29.9	29.9	29.9	30.1	30.1	30.5
GE 12000	13.4	13.8	17.4	20.3	24.5	25.7	27.6	29.1	30.1	30.5	30.5	30.5	30.5	30.8	30.8	31.2
GE 10000	13.4	13.8	17.4	20.3	24.9	26.2	28.2	29.9	31.0	31.4	31.4	31.4	31.4	31.6	31.6	32.0
GE 9000	14.4	14.9	18.6	21.8	26.4	27.6	29.7	31.4	32.4	32.8	32.8	32.8	32.8	33.1	33.1	33.5
GE 8000	15.9	16.3	21.1	24.5	29.7	31.4	33.5	35.1	36.2	36.6	36.6	36.6	36.6	36.8	36.8	37.2
GE 7000	17.2	17.6	22.8	26.4	31.6	33.3	35.4	37.0	38.1	38.5	38.5	38.5	38.5	38.7	38.7	39.1
GE 6000	17.2	17.6	22.8	26.4	31.6	33.3	35.4	37.0	38.1	38.5	38.5	38.5	38.5	38.7	38.7	39.1
GE 5000	19.0	19.5	25.1	28.7	34.3	36.8	39.3	41.0	42.1	42.5	42.5	42.5	42.5	42.7	42.7	43.1
GE 4500	20.1	20.5	27.0	30.8	36.6	39.1	41.6	43.3	44.4	44.8	44.8	44.8	44.8	45.0	45.0	45.4
GE 4000	22.6	23.0	31.8	35.6	41.4	44.6	47.5	49.2	50.2	50.6	50.8	50.8	50.8	51.0	51.0	51.5
GE 3500	23.8	24.3	33.5	37.4	43.7	47.3	50.2	51.9	52.9	53.3	53.6	53.6	53.6	53.8	53.8	54.2
GE 3000	27.8	28.5	38.5	43.3	50.6	54.2	57.3	59.0	60.0	60.7	60.9	60.9	60.9	61.1	61.1	61.5
GE 2500	29.5	30.1	41.2	46.0	54.6	58.8	62.1	64.2	65.3	65.9	66.1	66.1	66.1	66.3	66.3	66.7
GE 2000	32.8	33.5	46.0	51.7	60.7	65.5	69.9	72.2	73.2	74.1	74.5	74.5	74.5	74.7	74.7	75.1
GE 1800	33.1	33.7	46.9	52.7	62.1	67.2	72.0	74.3	75.3	76.2	76.8	76.8	76.8	77.0	77.0	77.4
GE 1500	33.9	34.5	48.5	54.8	65.1	70.7	75.7	78.0	79.3	80.1	80.8	80.8	80.8	81.0	81.0	81.4
GE 1200	35.1	35.8	49.8	56.1	66.7	73.0	78.5	80.8	82.2	83.1	83.7	83.7	83.7	83.9	83.9	84.3
GE 1000	35.1	35.8	49.8	56.5	67.6	74.1	79.5	81.8	83.7	84.5	85.1	85.1	85.1	85.4	85.4	85.8
GE 900	35.1	35.8	49.8	56.9	68.8	75.3	80.8	83.1	84.9	86.2	87.0	87.0	87.0	87.2	87.2	87.7
GE 800	35.1	35.8	49.8	57.1	69.2	76.2	81.6	83.9	85.8	87.4	88.5	88.5	88.5	88.7	88.7	89.1
GE 700	35.1	35.8	49.8	57.1	69.2	76.2	81.6	83.9	85.8	87.4	88.5	88.5	88.5	88.7	88.7	89.1
GE 600	35.1	35.8	49.8	57.1	69.2	76.4	82.0	84.5	86.6	88.3	89.3	89.3	89.3	89.5	89.5	90.0
GE 500	35.1	35.8	49.8	57.1	69.2	76.8	82.4	85.4	87.4	89.5	90.6	90.6	90.6	90.8	90.8	91.2
GE 400	35.1	35.8	49.8	57.1	69.2	76.8	82.4	85.6	87.9	90.0	91.0	91.0	91.4	91.6	91.8	93.5
GE 300	35.1	35.8	49.8	57.1	69.2	76.8	82.4	86.2	88.5	90.8	91.8	92.3	92.9	93.1	93.7	96.7
GE 200	35.1	35.8	49.8	57.1	69.2	76.8	82.4	86.2	88.5	90.8	92.1	92.5	93.7	94.4	95.0	98.3
GE 100	35.1	35.8	49.8	57.1	69.2	76.8	82.4	86.2	88.5	90.8	92.1	92.5	94.1	95.0	96.2	99.8
GE 000	35.1	35.8	49.8	57.1	69.2	76.8	82.4	86.2	88.5	90.8	92.1	92.5	94.4	95.2	96.4	100.0

TOTAL NUMBER OF OBSERVATIONS 478

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: NOV HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	14.1	14.4	16.3	17.5	22.9	23.8	24.7	25.0	25.2	25.2	25.2	25.2	25.3	25.3	25.5	26.0
GE 20000	15.5	15.8	17.7	19.3	25.5	26.4	27.3	27.6	27.8	27.8	27.8	27.8	28.0	28.0	28.1	28.6
GE 18000	15.5	15.8	17.7	19.3	25.5	26.4	27.3	27.6	27.8	27.8	27.8	27.8	28.0	28.0	28.1	28.6
GE 16000	15.5	15.8	17.7	19.3	25.5	26.4	27.3	27.6	27.8	27.8	27.8	27.8	28.0	28.0	28.1	28.6
GE 14000	15.6	16.0	17.9	19.4	25.7	26.6	27.4	27.8	28.0	28.0	28.0	28.0	28.1	28.1	28.3	28.8
GE 12000	16.0	16.3	18.4	20.0	26.2	27.1	28.0	28.3	28.5	28.5	28.5	28.5	28.6	28.6	28.8	29.3
GE 10000	16.1	16.5	18.9	20.5	26.7	27.8	28.8	29.2	29.3	29.3	29.3	29.3	29.5	29.5	29.7	30.2
GE 9000	17.0	17.4	20.5	22.0	28.5	29.5	30.6	30.9	31.1	31.1	31.1	31.1	31.3	31.3	31.4	31.9
GE 8000	18.6	19.1	23.1	25.0	32.5	33.7	35.2	35.9	36.1	36.1	36.1	36.1	36.3	36.3	36.5	37.0
GE 7000	20.1	20.7	24.7	26.9	34.9	36.3	38.0	38.7	38.9	38.9	38.9	38.9	39.1	39.1	39.2	39.8
GE 6000	20.3	20.8	24.8	27.1	36.1	37.5	39.4	40.1	40.3	40.3	40.3	40.3	40.5	40.5	40.6	41.1
GE 5000	21.7	22.2	26.4	28.8	38.5	40.3	43.2	43.9	44.1	44.1	44.1	44.1	44.3	44.3	44.4	45.0
GE 4500	22.7	23.3	28.1	30.6	40.3	42.2	45.1	45.8	46.0	46.0	46.0	46.0	46.2	46.2	46.4	46.9
GE 4000	25.3	25.9	32.1	34.7	44.8	46.9	50.0	50.7	50.9	50.9	50.9	50.9	51.0	51.0	51.2	51.7
GE 3500	29.2	29.7	37.0	39.6	49.8	51.9	55.0	55.9	56.1	56.3	56.3	56.3	56.4	56.4	56.6	57.1
GE 3000	34.5	35.1	43.9	47.0	57.3	59.9	63.0	64.1	64.2	64.6	64.6	64.6	64.8	64.8	64.9	65.5
GE 2500	36.6	37.2	46.2	50.0	61.3	64.2	67.4	68.4	68.6	69.1	69.3	69.3	69.4	69.4	69.6	70.1
GE 2000	38.0	38.5	48.4	52.8	64.4	67.5	70.8	71.9	72.4	73.1	73.4	73.4	73.6	73.6	73.8	74.3
GE 1800	38.4	38.9	49.0	53.3	65.3	68.6	72.6	73.6	74.1	74.8	75.2	75.2	75.3	75.3	75.5	76.0
GE 1500	39.2	39.8	50.3	54.7	67.0	70.3	75.5	76.7	77.4	78.1	78.5	78.5	78.6	78.6	78.8	79.3
GE 1200	39.6	40.1	51.0	55.9	68.9	72.2	78.0	79.2	79.9	80.6	80.9	80.9	81.1	81.1	81.3	81.8
GE 1000	40.1	40.6	51.6	56.4	70.0	73.6	79.7	80.9	81.6	82.3	82.6	82.6	82.8	82.8	83.2	83.7
GE 900	40.3	40.8	51.9	56.9	70.5	74.3	81.4	82.8	83.5	84.2	84.5	84.5	84.7	84.7	85.1	85.6
GE 800	40.3	40.8	51.9	56.9	71.4	75.2	82.5	84.2	84.9	85.6	85.9	85.9	86.1	86.1	86.5	87.0
GE 700	40.3	40.8	51.9	56.9	71.9	76.0	83.3	85.1	85.8	87.0	87.3	87.3	87.5	87.5	87.8	88.4
GE 600	40.3	40.8	51.9	56.9	71.9	76.0	83.3	85.2	86.5	87.8	88.9	88.9	89.1	89.4	89.8	90.5
GE 500	40.3	40.8	51.9	56.9	71.9	76.0	83.5	85.4	87.0	88.4	90.3	90.3	90.5	90.8	91.3	92.0
GE 400	40.3	40.8	51.9	56.9	71.9	76.0	83.5	85.4	87.3	88.7	90.8	91.1	91.7	92.0	92.5	93.8
GE 300	40.3	40.8	51.9	56.9	71.9	76.0	83.5	85.4	87.3	88.7	91.0	91.5	92.5	92.9	94.3	96.5
GE 200	40.3	40.8	51.9	56.9	71.9	76.0	83.5	85.4	87.3	88.7	91.0	91.5	93.1	93.8	95.5	98.6
GE 100	40.3	40.8	51.9	56.9	71.9	76.0	83.5	85.4	87.3	88.7	91.0	91.5	93.1	94.1	96.2	99.8
GE 000	40.5	41.0	52.1	57.1	72.0	76.2	83.7	85.6	87.5	88.9	91.1	91.7	93.2	94.3	96.4	100.0

TOTAL NUMBER OF OBSERVATIONS 576

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: NOV HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	15.5	16.1	19.4	22.2	25.7	26.4	26.4	26.6	26.9	27.1	27.1	27.1	27.3	27.3	27.3	27.3
GE 20000	17.5	18.4	21.9	25.0	28.8	29.5	29.5	29.7	30.0	30.2	30.2	30.2	30.4	30.4	30.4	30.4
GE 18000	17.5	18.4	21.9	25.0	28.8	29.5	29.5	29.7	30.0	30.2	30.2	30.2	30.4	30.4	30.4	30.4
GE 16000	17.5	18.4	21.9	25.0	28.8	29.5	29.5	29.7	30.0	30.2	30.2	30.2	30.4	30.4	30.4	30.4
GE 14000	17.7	18.6	22.2	25.5	29.3	30.0	30.0	30.2	30.6	30.7	30.7	30.7	30.9	30.9	30.9	30.9
GE 12000	18.4	19.3	22.9	26.2	30.2	30.9	31.3	31.4	31.8	31.9	31.9	31.9	32.1	32.1	32.1	32.1
GE 10000	19.6	20.5	24.7	28.5	33.0	33.9	34.2	34.4	34.7	34.9	34.9	34.9	35.1	35.1	35.1	35.1
GE 9000	20.5	21.4	26.0	30.0	35.1	35.9	36.3	36.5	36.8	37.0	37.0	37.0	37.2	37.2	37.2	37.2
GE 8000	23.3	24.3	29.3	33.9	39.1	40.3	41.1	41.3	41.7	41.8	41.8	41.8	42.0	42.0	42.0	42.0
GE 7000	24.1	25.2	30.4	34.9	40.8	42.0	43.2	43.4	43.8	43.9	43.9	43.9	44.1	44.1	44.1	44.1
GE 6000	24.3	25.3	30.7	35.2	41.5	42.7	43.9	44.1	44.4	44.6	44.6	44.6	44.8	44.8	44.8	44.8
GE 5000	27.8	29.0	34.5	39.8	46.4	47.9	49.3	49.5	49.8	50.0	50.0	50.0	50.2	50.2	50.2	50.2
GE 4500	29.5	30.7	36.8	42.0	48.6	50.2	51.7	51.9	52.3	52.4	52.4	52.4	52.6	52.6	52.6	52.6
GE 4000	33.3	34.7	41.3	46.9	53.8	55.4	57.5	57.6	58.0	58.2	58.2	58.2	58.3	58.3	58.3	58.3
GE 3500	36.6	38.2	45.5	51.0	58.2	59.7	62.0	62.2	62.5	62.7	62.7	62.7	62.8	62.8	62.8	62.8
GE 3000	43.9	45.7	54.5	60.8	68.2	70.0	72.2	72.4	72.7	72.9	72.9	72.9	73.1	73.1	73.1	73.1
GE 2500	45.7	47.6	56.9	63.2	71.9	73.6	75.9	76.0	76.4	76.6	76.6	76.6	76.7	76.7	76.7	76.7
GE 2000	46.9	48.8	58.5	65.3	74.7	76.6	78.8	79.2	79.9	80.0	80.0	80.0	80.2	80.2	80.2	80.2
GE 1800	47.0	49.0	58.7	66.0	75.7	77.6	80.2	80.6	81.3	81.4	81.4	81.4	81.6	81.6	81.6	81.6
GE 1500	47.6	49.5	59.5	67.2	77.6	79.5	82.1	82.5	83.2	83.5	83.5	83.5	83.7	83.7	83.7	83.7
GE 1200	47.7	49.7	60.2	68.2	80.0	82.5	85.9	86.6	87.3	87.8	87.8	87.8	88.0	88.0	88.0	88.0
GE 1000	47.7	49.7	60.8	68.8	81.3	83.9	87.8	88.9	89.6	90.1	90.1	90.1	90.3	90.3	90.3	90.3
GE 900	47.7	49.7	60.8	68.9	81.9	84.7	88.7	89.9	90.6	91.1	91.1	91.1	91.3	91.3	91.3	91.3
GE 800	47.7	49.7	60.8	68.9	81.9	84.9	89.6	90.8	91.7	92.2	92.2	92.2	92.4	92.4	92.4	92.4
GE 700	47.7	49.7	60.8	68.9	81.9	84.9	89.6	90.8	91.7	92.4	92.4	92.4	92.5	92.5	92.5	92.5
GE 600	47.7	49.7	60.8	68.9	81.9	84.9	89.6	91.1	92.2	93.2	93.4	93.4	94.1	94.1	94.1	94.6
GE 500	47.7	49.7	60.8	68.9	81.9	84.9	89.6	91.3	92.4	93.4	94.1	94.3	95.0	95.0	95.0	95.5
GE 400	47.7	49.7	60.8	68.9	81.9	84.9	89.6	91.5	92.7	93.9	95.1	95.3	96.2	96.5	96.5	97.0
GE 300	47.7	49.7	60.8	68.9	82.1	85.1	89.8	91.7	92.9	94.1	95.5	95.8	97.7	98.1	98.6	99.1
GE 200	47.7	49.7	60.8	68.9	82.1	85.1	89.8	91.7	92.9	94.1	95.5	95.8	97.9	98.6	99.1	99.7
GE 100	47.7	49.7	60.8	68.9	82.1	85.1	89.8	91.7	92.9	94.1	95.7	96.0	98.3	99.0	99.5	100.0
GE 000	47.7	49.7	60.8	68.9	82.1	85.1	89.8	91.7	92.9	94.1	95.7	96.0	98.3	99.0	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 576

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: NOV HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	16.4	16.7	20.6	23.3	25.8	26.1	26.3	26.3	26.7	27.0	27.0	27.0	27.0	27.0	27.0	27.0
GE 20000	18.8	19.3	24.2	27.2	30.3	30.8	31.0	31.0	31.4	31.7	31.7	31.7	31.7	31.7	31.7	31.7
GE 18000	19.3	19.9	24.7	27.7	30.8	31.4	31.5	31.5	31.9	32.2	32.2	32.2	32.2	32.2	32.2	32.2
GE 16000	19.3	19.9	24.7	27.7	30.8	31.4	31.5	31.5	31.9	32.2	32.2	32.2	32.2	32.2	32.2	32.2
GE 14000	19.5	20.0	24.9	27.9	31.0	31.5	31.7	31.7	32.1	32.4	32.4	32.4	32.4	32.4	32.4	32.4
GE 12000	21.1	21.6	26.5	29.8	33.1	33.6	33.8	33.8	34.1	34.5	34.5	34.5	34.5	34.5	34.5	34.5
GE 10000	21.6	22.1	27.0	30.5	34.1	34.7	34.8	34.8	35.2	35.5	35.5	35.5	35.5	35.5	35.5	35.5
GE 9000	22.5	23.0	28.0	31.5	35.7	36.2	36.6	36.6	36.9	37.3	37.3	37.3	37.3	37.3	37.3	37.3
GE 8000	24.2	24.9	30.8	34.8	40.2	41.3	41.6	41.6	42.0	42.3	42.3	42.3	42.3	42.3	42.3	42.3
GE 7000	25.6	26.3	32.6	36.6	42.3	44.1	44.6	44.6	44.9	45.3	45.3	45.3	45.3	45.3	45.3	45.3
GE 6000	25.8	26.5	32.8	36.8	42.5	44.3	44.9	44.9	45.3	45.6	45.6	45.6	45.6	45.6	45.6	45.6
GE 5000	27.9	28.6	35.0	39.7	45.8	47.7	49.0	49.0	49.3	49.7	49.7	49.7	49.7	49.7	49.7	49.7
GE 4500	28.0	28.7	35.4	40.2	46.7	48.6	49.8	49.8	50.2	50.5	50.5	50.5	50.5	50.5	50.5	50.5
GE 4000	33.1	33.8	41.3	46.3	53.0	55.1	56.6	56.6	57.0	57.3	57.3	57.3	57.3	57.3	57.3	57.3
GE 3500	38.2	39.0	46.9	52.4	59.4	61.5	63.2	63.2	63.6	63.9	63.9	63.9	63.9	63.9	63.9	63.9
GE 3000	45.6	46.5	55.6	61.3	69.7	72.5	74.2	74.2	74.6	74.9	74.9	74.9	74.9	74.9	74.9	74.9
GE 2500	47.4	48.3	57.8	63.9	72.5	75.3	77.0	77.2	77.5	77.9	77.9	77.9	77.9	77.9	77.9	77.9
GE 2000	48.8	49.8	60.1	66.7	76.5	79.4	81.2	81.9	82.4	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 1800	49.3	50.3	60.6	67.4	77.4	80.3	82.1	82.8	83.3	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 1500	49.3	50.3	61.0	68.5	79.3	82.6	84.3	85.0	85.7	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 1200	49.3	50.3	61.0	69.0	80.8	84.1	86.1	86.8	87.5	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 1000	49.3	50.3	61.3	69.7	82.1	85.5	88.2	89.0	89.9	90.4	90.4	90.4	90.6	90.6	90.6	90.6
GE 900	49.3	50.3	61.3	69.7	82.4	85.9	88.7	89.5	90.4	90.9	90.9	90.9	91.1	91.1	91.1	91.1
GE 800	49.5	50.5	61.5	69.9	82.6	86.4	89.4	90.8	91.6	92.3	92.3	92.3	92.5	92.5	92.5	92.5
GE 700	49.5	50.5	61.5	69.9	82.6	86.4	89.7	91.3	92.3	93.0	93.0	93.0	93.2	93.2	93.2	93.2
GE 600	49.5	50.5	61.5	69.9	82.6	86.9	90.4	92.2	93.7	94.4	94.4	94.4	94.6	94.6	94.6	94.9
GE 500	49.5	50.5	61.5	69.9	82.6	87.1	90.9	93.0	94.8	95.6	95.8	95.8	96.9	96.9	96.9	97.4
GE 400	49.5	50.5	61.5	69.9	82.6	87.1	90.9	93.0	94.8	95.6	95.8	95.8	97.4	97.4	97.4	97.9
GE 300	49.5	50.5	61.5	69.9	82.6	87.1	90.9	93.0	94.8	95.6	96.3	96.3	98.3	98.3	98.3	99.3
GE 200	49.5	50.5	61.5	69.9	82.6	87.1	90.9	93.0	94.8	95.6	96.3	96.3	98.3	98.3	98.3	99.8
GE 100	49.5	50.5	61.5	69.9	82.6	87.1	90.9	93.0	94.8	95.6	96.3	96.3	98.3	98.3	98.4	100.0
GE 000	49.5	50.5	61.5	69.9	82.6	87.1	90.9	93.0	94.8	95.6	96.3	96.3	98.3	98.3	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 574

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: NOV HOURS: 18-20

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	16.2	16.2	19.8	23.4	29.1	30.2	31.6	31.9	31.9	32.7	32.7	32.7	32.9	32.9	32.9	32.9
GE 20000	16.7	16.7	21.1	24.7	31.2	32.3	34.0	34.2	34.4	35.2	35.2	35.2	35.4	35.4	35.4	35.4
GE 18000	17.1	17.1	21.5	25.1	31.6	32.7	34.4	34.6	34.8	35.7	35.7	35.7	35.9	35.9	35.9	35.9
GE 16000	17.1	17.1	21.5	25.1	31.6	32.7	34.4	34.6	34.8	35.7	35.7	35.7	35.9	35.9	35.9	35.9
GE 14000	17.1	17.1	21.5	25.1	31.6	32.7	34.4	34.6	34.8	35.7	35.7	35.7	35.9	35.9	35.9	35.9
GE 12000	18.6	18.6	23.0	26.6	33.1	34.6	36.3	36.5	36.7	37.6	37.6	37.6	37.8	37.8	37.8	37.8
GE 10000	19.4	19.4	23.8	27.6	34.2	36.1	38.2	38.4	38.6	39.5	39.5	39.5	39.7	39.7	39.7	39.7
GE 9000	19.8	19.8	24.9	28.9	35.4	37.3	39.9	40.1	40.3	41.1	41.1	41.1	41.4	41.4	41.4	41.4
GE 8000	21.1	21.5	27.2	31.4	39.0	41.1	43.9	44.7	44.9	45.8	45.8	45.8	46.0	46.0	46.0	46.0
GE 7000	21.7	22.2	28.3	33.1	40.7	42.8	45.6	46.4	46.6	48.1	48.1	48.1	48.3	48.3	48.3	48.3
GE 6000	22.2	22.6	28.7	33.5	41.1	43.2	46.2	47.3	47.5	48.9	48.9	48.9	49.2	49.2	49.2	49.2
GE 5000	25.5	25.9	32.9	37.8	46.4	48.5	51.5	52.7	53.0	54.4	54.4	54.4	54.6	54.6	54.6	54.6
GE 4500	25.7	26.4	33.3	38.2	47.3	49.4	52.3	53.6	53.8	55.3	55.3	55.3	55.5	55.5	55.5	55.5
GE 4000	26.8	27.4	34.6	40.7	50.6	53.0	56.5	57.8	58.0	59.5	59.5	59.5	59.7	59.7	59.7	59.7
GE 3500	28.7	29.3	36.7	44.3	54.9	57.2	60.8	62.0	62.2	63.7	63.7	63.7	63.9	63.9	63.9	63.9
GE 3000	32.5	33.5	42.2	49.8	61.8	64.8	69.4	70.9	71.1	72.6	72.6	72.6	72.8	72.8	72.8	72.8
GE 2500	34.6	35.7	45.1	52.7	65.8	69.2	73.8	75.3	75.5	77.0	77.0	77.0	77.2	77.2	77.2	77.2
GE 2000	36.3	37.3	48.7	56.3	70.3	73.8	78.5	80.2	80.6	82.1	82.1	82.3	82.5	82.5	82.5	82.5
GE 1800	36.3	37.3	48.9	56.5	70.5	74.1	78.7	80.4	80.8	82.3	82.3	82.5	82.7	82.7	82.7	82.7
GE 1500	36.3	37.3	48.9	56.5	71.1	74.7	79.5	81.2	81.9	83.3	83.3	83.5	83.8	83.8	83.8	83.8
GE 1200	36.7	37.8	49.4	57.0	72.6	76.4	81.2	83.8	84.4	85.9	85.9	86.1	86.3	86.3	86.3	86.3
GE 1000	36.7	37.8	49.4	57.4	73.0	76.8	82.1	84.6	85.2	87.1	87.1	87.3	87.6	87.6	87.6	87.6
GE 900	36.7	37.8	49.4	57.4	73.4	77.2	82.5	85.2	85.9	87.8	87.8	88.0	88.2	88.2	88.2	88.2
GE 800	36.7	37.8	49.4	57.4	74.1	77.8	83.1	86.7	87.8	89.7	89.7	89.9	90.5	90.5	90.5	90.5
GE 700	36.7	37.8	49.4	57.4	74.7	78.7	84.0	87.6	89.0	90.9	90.9	91.1	91.8	91.8	91.8	91.8
GE 600	36.7	37.8	49.4	57.4	74.7	78.7	84.6	88.2	89.7	92.0	92.2	92.4	93.0	93.0	93.0	93.0
GE 500	36.7	37.8	49.6	57.6	75.1	79.1	85.0	88.6	90.1	92.6	93.5	93.7	94.5	94.5	94.5	94.5
GE 400	36.7	37.8	49.6	57.6	75.1	79.1	85.0	88.6	90.1	92.8	94.7	94.9	95.8	95.8	95.8	95.8
GE 300	36.7	37.8	49.6	57.6	75.1	79.3	85.2	88.8	90.5	93.2	95.6	95.8	96.6	96.6	96.6	96.6
GE 200	36.7	37.8	49.6	57.6	75.1	79.3	85.2	88.8	90.5	93.2	95.8	96.0	96.8	97.3	97.3	97.9
GE 100	36.7	37.8	49.6	57.6	75.1	79.3	85.2	88.8	90.5	93.2	96.0	96.4	97.3	97.9	97.9	99.8
GE 000	36.7	37.8	49.8	57.8	75.3	79.5	85.4	89.0	90.7	93.5	96.2	96.6	97.5	98.1	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 474

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: NOV HOURS: 21-23

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	16.7	17.4	22.1	24.8	31.8	34.1	35.7	36.0	36.4	36.4	36.4	37.2	37.2	38.0	38.0	38.0
GE 20000	16.7	17.4	22.9	25.6	32.9	35.3	36.8	37.2	37.6	37.6	37.6	38.4	38.4	39.1	39.1	39.1
GE 18000	16.7	17.4	22.9	25.6	32.9	35.3	36.8	37.2	37.6	37.6	37.6	38.4	38.4	39.1	39.1	39.1
GE 16000	16.7	17.4	22.9	25.6	32.9	35.3	36.8	37.2	37.6	37.6	37.6	38.4	38.4	39.1	39.1	39.1
GE 14000	16.7	17.4	22.9	25.6	32.9	35.3	36.8	37.2	37.6	37.6	37.6	38.4	38.4	39.1	39.1	39.1
GE 12000	17.1	17.8	23.3	26.0	33.3	35.7	37.2	37.6	38.0	38.0	38.0	38.8	38.8	39.5	39.5	39.5
GE 10000	17.1	17.8	23.3	26.0	33.3	35.7	37.6	38.0	38.4	38.4	38.4	39.1	39.1	39.9	39.9	39.9
GE 9000	17.1	17.8	23.6	26.4	33.7	36.0	38.0	38.4	38.8	38.8	38.8	39.5	39.5	40.3	40.3	40.3
GE 8000	18.2	19.0	25.2	27.9	36.8	39.1	41.5	42.2	43.4	43.4	43.4	44.2	44.2	45.0	45.0	45.0
GE 7000	19.4	20.2	26.4	29.8	38.8	41.1	43.8	44.6	45.7	45.7	45.7	46.5	46.5	48.1	48.1	48.1
GE 6000	20.2	20.9	27.1	30.6	39.5	41.9	44.6	45.3	46.5	46.5	46.5	47.3	47.3	48.8	48.8	48.8
GE 5000	21.7	22.5	29.5	33.3	43.0	45.7	48.4	49.2	50.4	50.4	50.4	51.2	51.2	52.7	52.7	52.7
GE 4500	22.1	22.9	29.8	33.7	43.4	46.5	49.2	50.0	51.2	51.2	51.2	51.9	51.9	53.5	53.5	53.5
GE 4000	26.0	26.7	34.1	38.0	48.8	52.7	55.8	56.6	57.8	57.8	57.8	58.5	58.5	60.1	60.1	60.1
GE 3500	29.1	29.8	37.2	41.9	53.5	57.4	60.5	61.2	62.4	62.4	62.4	63.2	63.2	64.7	64.7	64.7
GE 3000	32.2	34.1	44.2	49.6	61.6	66.7	70.9	71.7	72.9	73.6	73.6	74.4	74.4	76.0	76.0	76.0
GE 2500	32.9	34.9	45.3	50.8	64.7	69.8	74.4	75.6	76.7	77.5	77.5	78.3	78.3	79.8	79.8	79.8
GE 2000	34.9	36.8	48.1	53.5	67.4	72.5	77.5	79.1	80.2	81.0	81.0	81.8	81.8	83.3	83.3	83.3
GE 1800	34.9	36.8	48.8	54.3	68.6	73.6	78.7	80.2	81.4	82.2	82.2	82.9	82.9	84.5	84.5	84.5
GE 1500	34.9	36.8	49.6	55.0	69.4	74.4	79.5	81.0	82.2	82.9	82.9	83.7	83.7	85.3	85.3	85.3
GE 1200	34.9	36.8	49.6	55.0	70.9	76.4	81.8	84.1	85.3	86.0	86.0	86.8	86.8	88.4	88.4	88.4
GE 1000	34.9	36.8	49.6	55.0	70.9	76.4	82.2	84.9	86.0	87.6	87.6	88.4	88.4	89.9	89.9	89.9
GE 900	34.9	36.8	49.6	55.0	70.9	76.4	82.2	84.9	86.0	87.6	87.6	88.4	88.4	89.9	89.9	89.9
GE 800	34.9	36.8	49.6	55.0	71.7	77.1	82.9	87.2	88.4	89.9	90.3	91.1	91.5	93.0	93.0	93.0
GE 700	34.9	36.8	49.6	55.0	71.7	77.1	82.9	87.2	88.4	89.9	90.3	91.1	91.5	93.0	93.0	93.0
GE 600	34.9	36.8	49.6	55.0	71.7	77.1	84.5	89.1	90.3	91.9	92.6	93.8	94.2	95.7	95.7	95.7
GE 500	34.9	36.8	49.6	55.0	71.7	77.1	84.5	89.1	90.3	91.9	92.6	93.8	94.2	95.7	95.7	95.7
GE 400	34.9	36.8	49.6	55.0	71.7	77.5	84.9	89.5	90.7	93.4	94.2	95.3	95.7	97.3	97.3	97.3
GE 300	34.9	36.8	49.6	55.0	71.7	77.5	84.9	89.9	91.1	93.8	94.6	95.7	96.1	97.7	97.7	97.7
GE 200	34.9	36.8	49.6	55.0	71.7	77.5	84.9	89.9	91.1	93.8	95.0	96.5	96.9	98.4	98.4	98.4
GE 100	34.9	36.8	49.6	55.0	71.7	77.5	84.9	89.9	91.1	93.8	95.0	96.5	96.9	98.4	99.2	100.0
GE 000	34.9	36.8	49.6	55.0	71.7	77.5	84.9	89.9	91.1	93.8	95.0	96.5	96.9	98.4	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 258

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: NOV HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	15.1	15.5	18.7	21.2	25.5	26.4	27.3	27.7	28.1	28.4	28.4	28.4	28.5	28.6	28.7	28.8
GE 20000	16.4	16.9	20.6	23.4	28.4	29.4	30.3	30.7	31.1	31.4	31.4	31.5	31.6	31.7	31.7	31.9
GE 18000	16.6	17.1	20.8	23.6	28.6	29.6	30.5	30.9	31.3	31.6	31.6	31.7	31.8	31.9	31.9	32.1
GE 16000	16.6	17.1	20.8	23.6	28.6	29.6	30.5	30.9	31.3	31.6	31.6	31.7	31.8	31.9	31.9	32.1
GE 14000	16.7	17.2	20.9	23.8	28.7	29.7	30.7	31.1	31.5	31.8	31.8	31.8	31.9	32.1	32.1	32.3
GE 12000	17.5	18.0	21.9	24.8	29.8	30.9	31.8	32.3	32.7	33.0	33.0	33.0	33.1	33.2	33.3	33.4
GE 10000	18.1	18.5	22.5	25.6	30.9	32.1	33.2	33.7	34.1	34.4	34.4	34.5	34.6	34.7	34.7	34.9
GE 9000	18.8	19.3	23.7	26.9	32.4	33.6	34.9	35.3	35.7	36.0	36.0	36.1	36.2	36.3	36.3	36.5
GE 8000	20.5	21.2	26.4	29.9	36.3	37.8	39.3	40.0	40.4	40.7	40.7	40.8	40.9	41.0	41.0	41.2
GE 7000	21.7	22.3	27.8	31.5	38.2	39.9	41.6	42.3	42.7	43.2	43.2	43.2	43.3	43.5	43.5	43.7
GE 6000	21.9	22.6	28.0	31.8	38.8	40.5	42.3	42.9	43.4	43.8	43.8	43.9	44.0	44.2	44.2	44.4
GE 5000	24.3	25.0	30.8	34.9	42.5	44.5	46.7	47.4	47.9	48.3	48.3	48.4	48.5	48.6	48.7	48.8
GE 4500	25.1	25.8	32.1	36.2	44.0	46.0	48.3	49.0	49.5	49.9	49.9	50.0	50.1	50.2	50.3	50.4
GE 4000	28.3	29.0	36.2	40.8	48.9	51.3	53.9	54.6	55.1	55.5	55.6	55.6	55.7	55.9	55.9	56.1
GE 3500	31.4	32.3	40.0	45.0	53.5	55.9	58.6	59.4	59.8	60.3	60.3	60.4	60.5	60.7	60.7	60.9
GE 3000	36.9	38.0	47.1	52.6	61.9	64.8	67.8	68.6	69.1	69.7	69.7	69.8	69.9	70.1	70.1	70.3
GE 2500	38.7	39.8	49.3	55.2	65.5	68.6	71.7	72.7	73.2	73.8	73.8	73.9	74.0	74.2	74.2	74.4
GE 2000	40.5	41.6	52.3	58.4	69.4	72.8	76.1	77.3	78.0	78.6	78.8	78.9	79.0	79.2	79.2	79.4
GE 1800	40.7	41.8	52.8	59.1	70.3	73.7	77.4	78.5	79.2	79.9	80.1	80.2	80.3	80.5	80.5	80.7
GE 1500	41.1	42.2	53.6	60.2	72.0	75.6	79.6	80.8	81.6	82.4	82.5	82.6	82.7	82.9	82.9	83.1
GE 1200	41.5	42.6	54.2	61.0	73.8	77.7	82.1	83.5	84.4	85.2	85.4	85.5	85.6	85.7	85.8	85.9
GE 1000	41.6	42.7	54.3	61.5	74.7	78.8	83.5	85.1	86.1	87.0	87.2	87.3	87.4	87.6	87.7	87.8
GE 900	41.6	42.7	54.3	61.7	75.3	79.4	84.4	86.1	87.1	88.1	88.3	88.4	88.5	88.7	88.8	88.9
GE 800	41.7	42.8	54.6	61.8	75.7	80.0	85.2	87.4	88.5	89.5	89.8	89.9	90.2	90.3	90.4	90.6
GE 700	41.7	42.8	54.6	61.8	76.0	80.3	85.6	87.8	89.0	90.2	90.5	90.6	90.8	91.0	91.0	91.2
GE 600	41.7	42.8	54.6	61.8	76.0	80.5	86.0	88.5	89.9	91.3	91.8	91.9	92.3	92.5	92.6	92.9
GE 500	41.7	42.8	54.6	61.8	76.0	80.7	86.3	88.9	90.4	92.0	92.9	93.1	93.6	93.8	93.9	94.3
GE 400	41.7	42.8	54.6	61.8	76.0	80.7	86.3	89.0	90.7	92.4	93.6	93.8	94.7	95.0	95.1	95.8
GE 300	41.7	42.8	54.6	61.8	76.1	80.8	86.4	89.2	90.9	92.6	94.1	94.5	95.7	96.0	96.5	97.7
GE 200	41.7	42.8	54.6	61.8	76.1	80.8	86.4	89.2	90.9	92.6	94.2	94.6	96.1	96.7	97.2	98.9
GE 100	41.7	42.8	54.6	61.8	76.1	80.8	86.4	89.2	90.9	92.6	94.3	94.7	96.3	97.0	97.8	99.9
GE 000	41.7	42.8	54.7	61.9	76.1	80.8	86.5	89.3	91.0	92.7	94.3	94.8	96.4	97.1	97.9	100.0

TOTAL NUMBER OF OBSERVATIONS 2936

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: DEC HOURS: 06-08

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	8.7	8.7	11.0	14.3	18.0	18.8	19.7	20.1	20.1	20.1	20.1	20.5	20.7	20.9	20.9	21.1
GE 20000	9.1	9.1	11.4	14.7	18.6	19.7	20.5	20.9	20.9	20.9	20.9	21.3	21.5	21.7	21.7	21.9
GE 18000	9.3	9.3	11.6	14.9	18.8	19.9	20.7	21.1	21.1	21.1	21.1	21.5	21.7	21.9	21.9	22.2
GE 16000	9.3	9.3	11.6	14.9	18.8	19.9	20.7	21.1	21.1	21.1	21.1	21.5	21.7	21.9	21.9	22.2
GE 14000	9.3	9.3	11.6	14.9	18.8	19.9	20.7	21.1	21.1	21.1	21.1	21.5	21.7	21.9	21.9	22.2
GE 12000	9.3	9.3	11.6	14.9	18.8	19.9	20.7	21.1	21.1	21.1	21.1	21.5	21.7	21.9	21.9	22.2
GE 10000	9.9	10.1	12.4	15.7	19.7	20.7	21.5	21.9	21.9	21.9	21.9	22.4	22.6	22.8	22.8	23.2
GE 9000	10.4	10.6	13.0	16.6	20.7	21.7	22.6	23.0	23.0	23.0	23.0	23.4	23.6	23.8	23.8	24.2
GE 8000	11.2	11.6	14.5	18.0	22.2	23.2	24.0	24.4	24.4	24.4	24.4	24.8	25.1	25.3	25.3	25.7
GE 7000	12.0	12.4	15.7	19.7	24.0	25.1	25.9	26.3	26.3	26.3	26.3	26.7	26.9	27.3	27.3	27.7
GE 6000	12.2	12.6	16.1	20.1	24.4	25.5	26.3	26.7	26.7	26.7	26.7	27.1	27.3	27.7	27.7	28.2
GE 5000	14.1	14.7	18.4	22.6	27.1	28.4	29.6	30.0	30.2	30.2	30.4	30.8	31.1	31.5	31.5	31.9
GE 4500	15.7	16.4	20.5	24.8	29.6	30.8	32.1	32.5	32.7	32.7	32.9	33.3	33.5	34.0	34.0	34.4
GE 4000	19.7	20.7	25.1	29.6	35.0	36.4	37.9	38.3	38.5	38.5	38.7	39.1	39.3	39.8	39.8	40.2
GE 3500	21.7	23.0	27.7	32.5	38.9	40.6	42.2	42.7	42.9	42.9	43.1	43.5	43.7	44.1	44.1	44.5
GE 3000	25.5	26.9	34.8	40.4	48.4	50.1	52.0	52.8	53.0	53.0	53.2	53.6	53.8	54.2	54.2	54.7
GE 2500	28.2	29.8	38.3	44.3	53.0	54.7	56.7	57.6	57.8	57.8	58.0	58.4	58.6	59.0	59.0	59.4
GE 2000	29.6	31.3	43.1	50.3	62.1	64.0	66.0	67.1	67.3	67.3	67.5	67.9	68.1	68.5	68.5	68.9
GE 1800	30.8	32.5	44.5	52.2	64.4	66.3	68.7	69.8	70.0	70.0	70.2	70.6	70.8	71.2	71.2	71.6
GE 1500	32.5	34.2	47.4	56.5	70.2	72.7	75.4	76.4	76.8	76.8	77.0	77.4	77.6	78.1	78.1	78.5
GE 1200	32.9	34.6	49.3	58.6	74.1	77.0	80.3	81.6	82.0	82.2	82.8	83.2	83.4	83.9	83.9	84.3
GE 1000	32.9	34.6	49.3	58.6	75.2	78.5	82.0	83.2	83.9	84.1	84.7	85.1	85.3	85.7	85.7	86.1
GE 900	33.3	35.0	49.7	59.0	76.0	79.3	82.8	84.1	84.7	84.9	85.5	85.9	86.1	86.5	86.5	87.0
GE 800	33.5	35.2	49.9	59.2	76.4	79.9	83.4	84.7	85.7	86.1	86.7	87.4	87.6	88.0	88.2	88.8
GE 700	33.7	35.4	50.7	60.0	77.4	81.2	85.1	87.2	88.8	89.9	91.1	91.7	91.9	92.3	92.8	93.4
GE 600	33.7	35.4	50.7	60.0	77.6	81.4	85.3	87.4	89.4	90.5	91.7	92.3	92.5	93.0	93.4	94.0
GE 500	33.7	35.4	50.7	60.0	77.8	81.6	85.5	88.0	90.3	91.3	92.5	93.2	93.4	94.0	94.4	95.0
GE 400	33.7	35.4	50.7	60.0	78.1	81.8	85.7	88.4	90.9	91.9	93.2	93.8	94.0	94.6	95.0	95.7
GE 300	33.7	35.4	50.7	60.0	78.1	81.8	86.1	89.0	91.9	93.4	94.6	95.7	95.9	96.5	96.9	97.9
GE 200	33.7	35.4	50.7	60.0	78.1	81.8	86.1	89.0	91.9	93.4	94.8	95.9	96.1	96.9	97.5	98.8
GE 100	33.7	35.4	50.7	60.0	78.1	81.8	86.1	89.0	91.9	93.4	94.8	95.9	96.3	97.1	97.7	100.0
GE 000	33.7	35.4	50.7	60.0	78.1	81.8	86.1	89.0	91.9	93.4	94.8	95.9	96.3	97.1	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS 483

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: DEC HOURS: 09-11

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	8.2	8.9	12.1	14.4	16.8	17.8	18.3	18.3	18.4	18.4	18.6	18.6	18.7	19.2	19.2	19.9
GE 20000	9.7	10.5	14.4	16.8	19.2	20.2	21.0	21.0	21.2	21.2	21.3	21.3	21.5	22.0	22.0	22.6
GE 18000	10.0	10.8	14.7	17.1	19.5	20.5	21.3	21.3	21.5	21.5	21.6	21.6	21.8	22.3	22.3	22.9
GE 16000	10.0	10.8	14.7	17.1	19.5	20.5	21.3	21.3	21.5	21.5	21.6	21.6	21.8	22.3	22.3	22.9
GE 14000	10.3	11.1	15.0	17.4	19.9	20.8	21.6	21.6	21.8	21.8	22.0	22.0	22.1	22.6	22.6	23.3
GE 12000	10.5	11.3	15.2	17.6	20.0	21.0	21.8	21.8	22.0	22.0	22.1	22.1	22.3	22.8	22.8	23.4
GE 10000	11.8	12.6	16.6	19.2	21.8	22.8	23.6	23.6	23.7	23.7	23.9	23.9	24.1	24.6	24.6	25.2
GE 9000	13.1	13.9	17.9	20.7	23.9	24.9	25.7	25.7	25.8	25.8	26.0	26.0	26.2	26.7	26.7	27.3
GE 8000	14.2	15.3	19.5	22.8	26.2	27.5	28.3	28.3	28.4	28.4	28.6	28.6	28.8	29.2	29.2	29.9
GE 7000	15.7	16.8	21.5	25.2	28.8	30.0	30.9	30.9	31.0	31.2	31.5	31.5	31.7	32.1	32.1	32.8
GE 6000	15.7	16.8	21.6	25.4	28.9	30.2	31.0	31.0	31.2	31.3	31.7	31.7	31.8	32.3	32.3	33.0
GE 5000	17.9	19.2	24.9	28.6	32.3	33.6	34.4	34.4	34.7	34.9	35.2	35.2	35.4	35.9	35.9	36.5
GE 4500	18.6	19.9	25.5	29.2	33.1	34.4	35.4	35.4	35.7	35.9	36.2	36.2	36.3	36.8	36.8	37.5
GE 4000	22.1	23.6	29.9	33.9	39.1	40.5	41.5	41.5	41.8	42.2	42.6	42.6	42.8	43.3	43.3	43.9
GE 3500	25.0	27.1	33.6	38.3	43.9	45.9	47.2	47.2	47.5	47.8	48.3	48.3	48.5	48.9	48.9	49.6
GE 3000	28.4	31.2	39.1	44.6	51.9	54.0	55.7	55.9	56.2	56.5	57.0	57.0	57.2	57.7	57.7	58.3
GE 2500	30.2	33.0	41.5	48.1	55.9	58.2	60.4	60.9	61.2	61.7	62.2	62.2	62.4	63.0	63.0	63.7
GE 2000	31.7	34.7	44.4	52.3	61.6	64.0	66.2	67.2	67.5	68.0	68.7	68.7	68.8	69.5	69.5	70.1
GE 1800	32.3	35.4	45.1	53.0	63.5	66.1	68.3	69.3	69.6	70.1	70.8	70.8	70.9	71.6	71.6	72.2
GE 1500	33.9	37.0	48.1	56.4	68.3	71.4	73.8	74.8	75.3	75.8	76.4	76.4	76.6	77.2	77.2	77.9
GE 1200	36.7	39.9	51.4	59.9	74.2	77.7	80.6	81.9	82.4	82.9	83.7	83.7	83.8	84.5	84.5	85.1
GE 1000	36.8	40.1	52.0	61.2	75.8	79.5	83.0	84.5	85.1	85.6	86.6	86.6	86.8	87.4	87.4	88.0
GE 900	36.8	40.1	52.3	61.7	76.9	80.6	84.2	85.8	86.4	86.9	87.9	87.9	88.0	88.7	88.7	89.3
GE 800	36.8	40.1	52.3	61.7	77.4	81.1	85.3	86.9	87.7	88.7	90.0	90.0	90.1	90.8	90.8	91.4
GE 700	36.8	40.1	52.3	61.7	77.7	81.9	86.3	88.0	89.3	91.0	92.6	92.6	92.9	93.7	93.7	94.3
GE 600	36.8	40.1	52.3	61.7	78.2	82.4	86.8	88.5	90.1	91.8	93.7	93.7	94.0	95.0	95.0	95.6
GE 500	36.8	40.1	52.3	61.7	78.2	82.4	86.9	88.9	90.8	92.6	94.7	94.7	95.2	96.1	96.3	97.3
GE 400	36.8	40.1	52.3	61.7	78.2	82.4	86.9	88.9	90.8	92.6	94.8	94.8	95.3	96.4	96.6	97.7
GE 300	36.8	40.1	52.3	61.7	78.2	82.4	86.9	88.9	90.8	92.7	95.3	95.3	96.3	97.4	97.6	99.5
GE 200	36.8	40.1	52.3	61.7	78.2	82.4	86.9	88.9	90.8	92.7	95.3	95.3	96.3	97.4	97.6	99.5
GE 100	36.8	40.1	52.3	61.7	78.2	82.4	86.9	88.9	90.8	92.7	95.3	95.3	96.4	97.6	97.7	100.0
GE 000	36.8	40.1	52.3	61.7	78.2	82.4	86.9	88.9	90.8	92.7	95.3	95.3	96.4	97.6	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS 619

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AFB DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: DEC HOURS: 12-14

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	12.0	12.4	14.7	15.8	17.6	18.3	18.5	18.5	18.6	18.6	18.6	18.6	18.6	18.8	18.9	19.4
GE 20000	14.7	15.5	18.3	19.6	21.6	22.7	22.9	22.9	23.1	23.1	23.1	23.1	23.1	23.2	23.4	23.9
GE 18000	14.7	15.5	18.3	19.6	21.6	22.7	22.9	22.9	23.1	23.1	23.1	23.1	23.1	23.2	23.4	23.9
GE 16000	14.7	15.5	18.3	19.6	21.6	22.7	22.9	22.9	23.1	23.1	23.1	23.1	23.1	23.2	23.4	23.9
GE 14000	14.7	15.5	18.5	19.8	21.7	22.9	23.1	23.1	23.2	23.2	23.2	23.2	23.2	23.4	23.6	24.1
GE 12000	15.7	16.5	19.6	20.9	22.9	24.1	24.2	24.2	24.4	24.4	24.4	24.4	24.4	24.5	24.7	25.2
GE 10000	16.5	17.3	20.4	21.7	23.7	24.9	25.0	25.0	25.2	25.2	25.2	25.2	25.2	25.4	25.5	26.0
GE 9000	18.0	18.8	22.7	24.1	26.0	27.2	27.3	27.3	27.5	27.5	27.5	27.5	27.5	27.7	27.8	28.3
GE 8000	19.1	19.9	24.2	26.0	28.3	29.5	29.7	29.7	29.8	29.8	29.8	29.8	29.8	30.0	30.1	30.6
GE 7000	20.4	21.3	26.2	28.3	31.0	32.1	32.3	32.3	32.5	32.9	32.9	32.9	32.9	33.1	33.3	33.8
GE 6000	20.4	21.3	26.2	28.3	31.1	32.5	32.6	32.6	32.8	33.3	33.3	33.3	33.3	33.4	33.6	34.1
GE 5000	23.6	24.4	29.3	31.5	34.4	35.7	35.9	35.9	36.1	36.6	36.6	36.6	36.6	36.7	36.9	37.4
GE 4500	24.5	25.4	30.5	32.8	35.9	37.2	37.4	37.4	37.6	38.1	38.1	38.1	38.1	38.2	38.4	38.9
GE 4000	30.5	31.6	37.1	39.7	44.0	45.3	45.5	45.5	45.6	46.3	46.3	46.3	46.3	46.5	46.6	47.1
GE 3500	33.6	34.9	41.0	43.7	48.6	49.9	50.1	50.1	50.2	50.9	50.9	50.9	50.9	51.1	51.2	51.7
GE 3000	39.0	40.7	48.1	50.9	57.5	58.8	59.0	59.0	59.1	59.8	59.8	59.8	59.8	60.0	60.1	60.6
GE 2500	42.5	44.5	52.6	56.7	63.9	65.6	65.7	65.9	66.1	66.7	66.7	66.7	66.7	66.9	67.1	67.5
GE 2000	44.5	46.5	54.9	59.6	67.5	69.4	69.7	69.9	70.0	70.7	70.7	70.7	70.7	70.8	71.0	71.5
GE 1800	45.8	47.8	56.5	61.3	70.2	72.0	72.3	72.5	72.7	73.3	73.3	73.3	73.3	73.5	73.6	74.1
GE 1500	47.4	49.4	59.6	64.7	75.0	76.8	77.6	77.8	77.9	78.6	78.6	78.6	78.6	78.7	78.9	79.4
GE 1200	49.1	51.2	62.8	68.9	81.4	83.5	84.5	85.0	85.2	86.2	86.2	86.3	86.5	86.7	86.8	87.3
GE 1000	49.3	51.4	63.1	69.9	82.9	85.3	87.1	87.8	88.0	89.3	89.3	89.5	89.6	89.8	90.0	90.4
GE 900	49.3	51.4	63.4	70.2	83.4	85.8	87.6	88.6	88.8	90.1	90.1	90.3	90.4	90.6	90.8	91.3
GE 800	49.3	51.4	63.4	70.2	83.7	86.2	88.3	89.3	89.5	90.9	91.3	91.4	91.6	91.8	91.9	92.4
GE 700	49.3	51.4	63.4	70.3	84.2	86.7	89.6	90.6	90.8	92.4	93.1	93.2	93.4	93.6	93.7	94.2
GE 600	49.3	51.4	63.4	70.3	84.3	86.8	90.0	90.9	91.4	93.1	93.9	94.1	94.4	94.6	94.7	95.2
GE 500	49.3	51.4	63.4	70.3	84.3	86.8	90.1	91.1	91.8	93.6	94.6	94.7	95.1	95.2	95.4	96.0
GE 400	49.3	51.4	63.4	70.3	84.3	86.8	90.1	91.1	91.8	94.4	95.6	95.7	96.4	96.5	96.9	97.7
GE 300	49.3	51.4	63.4	70.3	84.3	86.8	90.1	91.3	91.9	94.7	96.0	96.2	97.7	97.9	98.2	99.2
GE 200	49.3	51.4	63.4	70.3	84.3	86.8	90.1	91.3	91.9	94.7	96.0	96.2	97.9	98.2	98.5	99.5
GE 100	49.3	51.4	63.4	70.3	84.3	86.8	90.1	91.3	91.9	94.7	96.0	96.2	97.9	98.4	98.8	100.0
GE 000	49.3	51.4	63.4	70.3	84.3	86.8	90.1	91.3	91.9	94.7	96.0	96.2	97.9	98.4	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 607

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: DEC HOURS: 15-17

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CHIL	10.2	10.3	13.4	14.6	17.0	17.2	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.7	17.7
GE 20000	12.2	12.6	16.2	18.1	20.7	21.2	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.9	21.9
GE 18000	12.2	12.6	16.2	18.1	20.7	21.2	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.9	21.9
GE 16000	12.2	12.6	16.2	18.1	20.7	21.2	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.9	21.9
GE 14000	12.6	12.9	16.5	18.4	21.0	21.5	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.2	22.2
GE 12000	12.9	13.3	16.9	18.8	21.3	21.9	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.5	22.5
GE 10000	13.1	13.4	17.2	19.1	21.7	22.2	22.9	22.9	22.9	22.9	22.9	22.9	22.9	22.9	23.1	23.1
GE 9000	15.5	15.8	20.0	21.9	24.4	25.1	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	26.0	26.0
GE 8000	17.9	19.1	23.2	25.5	28.2	28.9	29.6	29.6	29.6	29.6	29.6	29.8	29.8	29.8	29.9	29.9
GE 7000	19.8	21.0	25.6	28.4	31.5	32.4	33.0	33.0	33.0	33.2	33.2	33.4	33.4	33.4	33.6	33.6
GE 6000	19.8	21.0	25.6	28.4	31.5	32.4	33.0	33.0	33.0	33.2	33.2	33.4	33.4	33.4	33.6	33.6
GE 5000	22.4	23.9	28.7	32.0	35.3	36.1	37.0	37.0	37.0	37.2	37.2	37.3	37.3	37.3	37.5	37.5
GE 4500	23.1	24.6	29.8	33.2	36.8	38.0	38.9	38.9	38.9	39.1	39.1	39.2	39.2	39.2	39.4	39.4
GE 4000	28.2	30.1	35.5	39.1	43.9	45.3	46.5	46.5	46.5	46.6	46.6	46.8	46.8	46.8	47.0	47.0
GE 3500	30.3	32.4	38.0	41.7	47.2	48.7	49.9	49.9	49.9	50.1	50.1	50.3	50.3	50.3	50.4	50.4
GE 3000	38.4	40.6	47.8	52.0	58.9	60.4	61.8	61.8	61.8	62.0	62.0	62.1	62.1	62.1	62.3	62.3
GE 2500	42.2	44.4	52.7	57.1	64.2	65.9	67.5	67.5	67.5	67.6	67.6	67.8	67.8	68.2	68.3	68.3
GE 2000	44.4	47.0	56.3	61.1	68.8	70.7	72.5	72.5	72.5	72.6	72.6	72.8	73.0	73.3	73.5	73.5
GE 1800	45.3	47.8	57.8	63.0	70.7	72.8	74.5	74.5	74.5	74.7	74.7	74.9	75.0	75.4	75.6	75.6
GE 1500	47.2	49.7	60.8	67.0	76.4	78.8	81.1	81.1	81.2	81.6	81.6	81.8	82.3	82.6	82.8	82.8
GE 1200	47.8	50.4	63.0	69.9	80.7	83.5	85.9	85.9	86.1	86.6	86.6	86.7	87.4	87.8	88.0	88.0
GE 1000	47.8	50.4	63.0	70.2	81.8	85.2	88.1	88.1	88.3	89.0	89.3	89.5	90.2	90.5	90.7	90.7
GE 900	47.8	50.4	63.3	70.7	83.0	86.6	89.8	89.8	90.2	90.9	91.2	91.4	92.1	92.4	92.6	92.6
GE 800	47.8	50.4	63.5	70.9	83.6	87.3	90.7	90.7	91.0	91.7	92.1	92.3	93.3	93.6	93.8	93.8
GE 700	47.8	50.4	63.7	71.1	84.0	87.6	91.0	91.0	91.9	92.6	92.9	93.1	94.1	94.5	94.7	94.7
GE 600	47.8	50.4	63.7	71.1	84.0	87.8	91.6	91.6	92.9	93.6	94.0	94.1	95.2	95.7	95.9	95.9
GE 500	47.8	50.4	63.7	71.1	84.0	88.1	91.9	92.3	93.6	94.5	94.8	95.2	96.2	97.1	97.2	97.2
GE 400	47.8	50.4	63.7	71.1	84.0	88.1	92.1	92.4	94.0	95.2	96.0	96.4	97.4	98.3	98.5	98.6
GE 300	47.8	50.4	63.7	71.1	84.0	88.1	92.1	92.4	94.0	95.2	96.2	96.6	98.1	99.0	99.1	99.3
GE 200	47.8	50.4	63.7	71.1	84.0	88.1	92.1	92.4	94.0	95.2	96.4	96.7	98.3	99.5	99.8	100.0
GE 100	47.8	50.4	63.7	71.1	84.0	88.1	92.1	92.4	94.0	95.2	96.4	96.7	98.3	99.5	99.8	100.0
GE 000	47.8	50.4	63.7	71.1	84.0	88.1	92.1	92.4	94.0	95.2	96.4	96.7	98.3	99.5	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 581

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: DEC HOURS: 18-20

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	12.5	13.1	16.0	17.5	22.0	23.1	25.2	25.5	25.8	25.8	25.8	25.8	25.8	26.4	26.4	26.7
GE 20000	13.4	13.9	17.5	19.0	23.7	24.9	27.0	27.3	27.9	27.9	27.9	27.9	27.9	28.5	28.5	28.8
GE 18000	13.4	13.9	17.8	19.3	24.0	25.2	27.3	27.6	28.2	28.2	28.2	28.2	28.2	28.8	28.8	29.1
GE 16000	13.4	13.9	17.8	19.3	24.0	25.2	27.3	27.6	28.2	28.2	28.2	28.2	28.2	28.8	28.8	29.1
GE 14000	13.4	13.9	17.8	19.3	24.0	25.2	27.3	27.6	28.2	28.2	28.2	28.2	28.2	28.8	28.8	29.1
GE 12000	13.4	13.9	17.8	19.3	24.0	25.2	27.3	27.6	28.2	28.2	28.2	28.2	28.2	28.8	28.8	29.1
GE 10000	13.4	13.9	17.8	19.3	24.3	25.5	27.6	27.9	28.5	28.5	28.5	28.5	28.5	29.1	29.1	29.4
GE 9000	13.6	14.2	18.7	20.2	25.2	26.7	28.8	29.1	29.7	29.7	29.7	29.7	29.7	30.3	30.3	30.6
GE 8000	15.1	15.7	20.8	22.3	27.3	28.8	30.9	31.2	31.8	31.8	31.8	31.8	31.8	32.3	32.3	32.6
GE 7000	15.7	16.6	22.0	23.7	28.8	30.3	32.6	32.9	33.5	33.5	33.5	33.5	33.5	34.1	34.1	34.4
GE 6000	15.7	16.6	22.0	24.0	29.1	30.6	32.9	33.2	33.8	33.8	33.8	33.8	33.8	34.4	34.4	34.7
GE 5000	18.4	19.3	24.9	27.3	32.3	34.1	36.8	37.1	37.7	37.7	37.7	37.7	37.7	38.3	38.3	38.6
GE 4500	20.8	21.7	27.3	30.3	35.3	38.0	40.7	40.9	41.5	41.5	41.5	41.5	41.5	42.1	42.1	42.4
GE 4000	25.2	26.7	32.9	35.9	40.9	43.6	46.6	46.9	47.8	47.8	47.8	47.8	47.8	48.4	48.4	48.7
GE 3500	27.9	29.7	35.9	38.9	44.8	47.8	50.7	51.0	51.9	51.9	51.9	51.9	51.9	52.5	52.5	52.8
GE 3000	33.5	35.6	42.7	45.7	52.5	55.8	59.1	59.6	60.5	60.5	60.5	60.5	60.5	61.1	61.1	61.4
GE 2500	37.1	39.5	47.5	52.2	59.9	63.8	67.1	67.7	68.5	68.5	68.5	68.5	68.5	69.4	69.4	69.7
GE 2000	38.9	41.2	49.6	54.6	62.9	67.7	71.5	72.1	73.0	73.0	73.0	73.0	73.0	73.9	73.9	74.2
GE 1800	39.5	41.8	51.0	56.4	65.9	70.9	74.8	75.7	76.6	76.6	76.6	76.6	76.6	77.4	77.4	77.7
GE 1500	39.5	41.8	52.5	58.5	68.5	74.2	78.3	79.5	80.4	80.4	80.4	80.4	80.7	81.9	81.9	82.2
GE 1200	39.5	41.8	54.0	61.1	72.4	78.9	84.3	85.8	86.6	86.6	86.6	86.6	86.9	88.1	88.1	88.4
GE 1000	39.5	41.8	54.0	61.1	72.4	79.2	85.2	86.6	87.8	87.8	88.1	88.1	88.4	89.6	89.6	89.9
GE 900	39.5	41.8	54.9	62.6	74.2	81.0	87.2	88.7	90.2	90.2	90.5	90.5	90.8	92.0	92.0	92.3
GE 800	39.5	41.8	54.9	62.9	74.5	81.3	87.5	89.3	91.1	91.1	91.4	91.4	92.3	93.5	93.5	93.8
GE 700	39.5	41.8	54.9	62.9	74.8	81.6	87.8	89.6	91.4	91.4	91.7	91.7	92.6	93.8	93.8	94.1
GE 600	39.5	41.8	54.9	62.9	74.8	81.6	88.1	90.5	92.3	92.3	92.6	92.6	93.5	94.7	94.7	95.0
GE 500	39.5	41.8	54.9	62.9	74.8	81.6	88.1	90.5	92.3	92.6	93.2	93.5	94.4	95.5	95.5	95.8
GE 400	39.5	41.8	54.9	62.9	74.8	81.6	88.1	90.5	92.3	92.6	93.5	93.8	95.0	96.1	96.1	96.7
GE 300	39.5	41.8	54.9	62.9	74.8	81.6	88.1	90.5	92.3	92.6	94.4	95.0	96.7	98.2	98.2	98.8
GE 200	39.5	41.8	54.9	62.9	74.8	81.6	88.1	90.5	92.3	92.6	95.0	95.5	97.3	99.4	99.4	100.0
GE 100	39.5	41.8	54.9	62.9	74.8	81.6	88.1	90.5	92.3	92.6	95.0	95.5	97.3	99.4	99.4	100.0
GE 000	39.5	41.8	54.9	62.9	74.8	81.6	88.1	90.5	92.3	92.6	95.0	95.5	97.3	99.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 337

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: DEC HOURS: 21-23

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	12.9	12.9	15.2	17.0	19.3	21.1	24.0	24.6	24.6	24.6	24.6	24.6	24.6	25.7	25.7	27.5
GE 20000	13.5	13.5	17.0	19.3	22.2	24.0	26.9	27.5	27.5	27.5	27.5	27.5	27.5	28.7	28.7	30.4
GE 18000	13.5	13.5	17.0	19.3	22.8	24.6	27.5	28.1	28.1	28.1	28.1	28.1	28.1	29.2	29.2	31.0
GE 16000	13.5	13.5	17.0	19.3	22.8	24.6	27.5	28.1	28.1	28.1	28.1	28.1	28.1	29.2	29.2	31.0
GE 14000	13.5	13.5	17.0	19.3	22.8	24.6	27.5	28.1	28.1	28.1	28.1	28.1	28.1	29.2	29.2	31.0
GE 12000	13.5	13.5	17.0	19.3	22.8	24.6	27.5	28.1	28.1	28.1	28.1	28.1	28.1	29.2	29.2	31.0
GE 10000	13.5	13.5	17.0	19.3	22.8	24.6	27.5	28.1	28.1	28.1	28.1	28.1	28.1	29.2	29.2	31.0
GE 9000	13.5	13.5	17.0	19.3	22.8	24.6	27.5	28.1	28.1	28.1	28.1	28.1	28.1	29.2	29.2	31.0
GE 8000	14.6	14.6	18.1	21.1	24.6	26.3	29.2	29.8	29.8	29.8	29.8	29.8	29.8	31.0	31.0	32.7
GE 7000	14.6	14.6	18.1	21.1	24.6	26.3	29.2	29.8	29.8	29.8	29.8	29.8	29.8	31.0	31.0	32.7
GE 6000	16.4	16.4	19.9	22.8	26.3	28.1	31.0	31.6	31.6	31.6	31.6	31.6	31.6	32.7	32.7	34.5
GE 5000	18.1	18.1	22.8	25.7	29.8	31.6	34.5	35.1	36.3	36.3	36.3	36.3	36.3	37.4	37.4	39.2
GE 4500	19.3	19.3	24.0	26.9	31.0	33.3	36.8	37.4	38.6	38.6	38.6	38.6	38.6	39.8	39.8	41.5
GE 4000	25.7	25.7	32.7	35.7	39.8	42.1	47.4	48.0	49.1	49.1	49.7	49.7	49.7	50.9	50.9	52.6
GE 3500	29.2	29.2	36.3	39.2	43.3	45.6	50.9	51.5	52.6	52.6	53.2	53.2	53.2	54.4	54.4	56.1
GE 3000	35.1	35.7	42.7	45.6	49.7	52.0	57.9	58.5	59.6	59.6	60.2	60.2	60.2	61.4	61.4	63.2
GE 2500	38.0	38.6	49.1	52.6	57.9	60.2	66.1	66.7	67.8	67.8	68.4	68.4	68.4	69.6	69.6	71.3
GE 2000	39.8	40.9	52.0	56.7	62.0	64.9	70.8	71.3	73.7	73.7	74.3	74.3	74.3	75.4	75.4	77.2
GE 1800	39.8	40.9	52.6	58.5	65.5	69.0	74.9	75.4	77.8	77.8	78.4	78.4	78.4	79.5	79.5	81.3
GE 1500	39.8	40.9	53.2	59.1	67.8	71.3	77.2	77.8	80.1	80.1	80.7	80.7	80.7	81.9	81.9	83.6
GE 1200	39.8	40.9	54.4	60.8	71.9	75.4	81.9	83.0	85.4	85.4	86.0	86.0	86.0	87.1	87.1	88.9
GE 1000	39.8	40.9	54.4	60.8	71.9	75.4	81.9	83.0	85.4	85.4	87.1	87.1	87.1	88.3	88.3	90.1
GE 900	39.8	40.9	55.6	64.3	75.4	78.9	85.4	86.5	88.9	90.1	91.8	91.8	91.8	93.0	93.0	94.7
GE 800	39.8	40.9	55.6	64.9	76.6	80.1	86.5	88.9	91.2	92.4	94.2	94.2	94.2	95.3	95.3	97.1
GE 700	39.8	40.9	55.6	64.9	76.6	80.1	86.5	88.9	91.2	92.4	94.2	94.2	94.2	95.3	95.3	97.1
GE 600	39.8	40.9	55.6	64.9	76.6	80.1	86.5	88.9	91.2	92.4	94.2	94.2	94.2	95.3	95.3	97.1
GE 500	39.8	40.9	55.6	64.9	76.6	80.1	86.5	88.9	91.2	92.4	95.3	95.3	95.3	96.5	96.5	98.2
GE 400	39.8	40.9	55.6	64.9	76.6	80.1	86.5	88.9	91.2	92.4	95.3	95.3	95.3	96.5	96.5	98.2
GE 300	39.8	40.9	55.6	64.9	76.6	80.1	86.5	88.9	91.2	92.4	95.3	95.3	95.3	96.5	98.2	100.0
GE 200	39.8	40.9	55.6	64.9	76.6	80.1	86.5	88.9	91.2	92.4	95.3	95.3	95.3	96.5	98.2	100.0
GE 100	39.8	40.9	55.6	64.9	76.6	80.1	86.5	88.9	91.2	92.4	95.3	95.3	95.3	96.5	98.2	100.0
GE 000	39.8	40.9	55.6	64.9	76.6	80.1	86.5	88.9	91.2	92.4	95.3	95.3	95.3	96.5	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 171

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: DEC HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	10.3	10.7	13.4	15.3	18.0	18.8	19.6	19.7	19.8	19.8	19.9	19.9	20.0	20.3	20.4	20.8
GE 20000	11.9	12.4	15.6	17.7	20.7	21.7	22.6	22.7	22.8	22.8	22.9	22.9	23.0	23.3	23.4	23.8
GE 18000	12.0	12.5	15.8	17.9	20.8	21.8	22.7	22.9	23.0	23.0	23.1	23.1	23.2	23.5	23.6	24.0
GE 16000	12.0	12.5	15.8	17.9	20.8	21.8	22.7	22.9	23.0	23.0	23.1	23.1	23.2	23.5	23.6	24.0
GE 14000	12.1	12.6	15.9	18.0	21.0	22.0	22.9	23.1	23.2	23.2	23.2	23.3	23.4	23.7	23.8	24.2
GE 12000	12.4	12.9	16.3	18.4	21.4	22.4	23.3	23.4	23.6	23.6	23.6	23.7	23.7	24.1	24.1	24.6
GE 10000	13.0	13.6	17.0	19.2	22.2	23.2	24.1	24.3	24.4	24.4	24.4	24.5	24.6	24.9	25.0	25.4
GE 9000	14.3	14.8	18.6	20.8	24.0	25.1	26.0	26.2	26.3	26.3	26.3	26.4	26.5	26.8	26.9	27.3
GE 8000	15.7	16.5	20.5	23.1	26.4	27.6	28.5	28.6	28.8	28.8	28.8	28.9	29.0	29.3	29.4	29.8
GE 7000	16.9	17.7	22.2	25.2	28.7	29.9	30.9	31.0	31.2	31.3	31.4	31.5	31.6	32.0	32.0	32.5
GE 6000	17.0	17.9	22.4	25.4	29.0	30.2	31.2	31.3	31.5	31.7	31.7	31.8	31.9	32.3	32.3	32.8
GE 5000	19.5	20.5	25.4	28.6	32.3	33.6	34.7	34.9	35.2	35.3	35.5	35.6	35.6	36.0	36.1	36.5
GE 4500	20.6	21.6	26.7	30.1	34.0	35.5	36.7	36.8	37.1	37.3	37.4	37.5	37.6	38.0	38.0	38.5
GE 4000	25.4	26.7	32.3	35.8	40.7	42.3	43.7	43.9	44.2	44.5	44.6	44.7	44.8	45.2	45.2	45.7
GE 3500	28.0	29.6	35.6	39.3	44.8	46.6	48.2	48.3	48.6	48.9	49.1	49.2	49.2	49.6	49.7	50.1
GE 3000	33.3	35.3	42.8	47.0	53.9	55.8	57.6	57.9	58.2	58.4	58.6	58.7	58.8	59.1	59.2	59.7
GE 2500	36.3	38.4	46.9	52.0	59.5	61.6	63.5	63.9	64.3	64.5	64.7	64.8	64.9	65.4	65.5	65.9
GE 2000	38.1	40.4	50.0	55.9	64.7	67.0	69.2	69.7	70.1	70.4	70.6	70.7	70.8	71.3	71.4	71.8
GE 1800	39.0	41.3	51.3	57.5	67.0	69.5	71.7	72.3	72.7	73.0	73.2	73.3	73.4	73.9	74.0	74.4
GE 1500	40.4	42.7	54.0	60.8	71.8	74.7	77.2	77.8	78.3	78.6	78.8	78.9	79.1	79.7	79.7	80.2
GE 1200	41.6	43.9	56.4	63.9	76.7	80.1	83.0	83.9	84.4	84.8	85.2	85.3	85.6	86.1	86.2	86.7
GE 1000	41.6	44.0	56.6	64.5	77.8	81.5	85.0	85.9	86.5	87.1	87.6	87.8	88.1	88.6	88.7	89.1
GE 900	41.7	44.1	57.1	65.2	79.0	82.7	86.3	87.3	88.0	88.7	89.2	89.3	89.6	90.2	90.2	90.7
GE 800	41.7	44.1	57.1	65.4	79.5	83.2	87.1	88.2	89.1	89.9	90.6	90.7	91.2	91.7	91.8	92.3
GE 700	41.8	44.1	57.3	65.6	79.9	83.8	88.0	89.3	90.5	91.6	92.5	92.7	93.1	93.7	93.9	94.4
GE 600	41.8	44.1	57.3	65.6	80.1	84.1	88.3	89.7	91.2	92.3	93.4	93.5	94.0	94.7	94.8	95.3
GE 500	41.8	44.1	57.3	65.6	80.2	84.2	88.5	90.1	91.7	93.0	94.2	94.4	95.0	95.7	95.9	96.5
GE 400	41.8	44.1	57.3	65.6	80.2	84.2	88.6	90.2	91.9	93.4	94.8	95.1	95.7	96.5	96.7	97.5
GE 300	41.8	44.1	57.3	65.6	80.2	84.2	88.7	90.4	92.1	93.7	95.4	95.8	97.0	97.8	98.0	99.1
GE 200	41.8	44.1	57.3	65.6	80.2	84.2	88.7	90.4	92.1	93.7	95.6	95.9	97.1	98.2	98.5	99.6
GE 100	41.8	44.1	57.3	65.6	80.2	84.2	88.7	90.4	92.1	93.7	95.6	95.9	97.2	98.3	98.6	100.0
GE 000	41.8	44.1	57.3	65.6	80.2	84.2	88.7	90.4	92.1	93.7	95.6	95.9	97.2	98.3	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 2798

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: BANGAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: ALL HOURS: ALL

CEILING IN FEET	VISIBILITY IN METERS															
	GE 112	GE 90	GE 80	GE 60	GE 48	GE 40	GE 32	GE 24	GE 20	GE 16	GE 12	GE 10	GE 08	GE 06	GE 04	GE 00
NO CEIL	23.8	24.6	28.2	30.2	33.4	34.3	34.9	35.2	35.4	35.6	35.7	35.7	35.8	35.8	35.9	36.0
GE 20000	27.4	28.4	32.5	34.7	38.3	39.3	40.1	40.4	40.6	40.8	40.9	41.0	41.0	41.1	41.1	41.2
GE 18000	27.7	28.6	32.8	35.1	38.8	39.8	40.5	40.9	41.0	41.2	41.4	41.4	41.5	41.5	41.6	41.7
GE 16000	27.7	28.7	32.8	35.1	38.8	39.8	40.6	40.9	41.1	41.3	41.4	41.5	41.5	41.6	41.6	41.8
GE 14000	28.0	29.0	33.1	35.5	39.2	40.2	40.9	41.3	41.5	41.7	41.8	41.8	41.9	41.9	42.0	42.1
GE 12000	28.7	29.7	34.0	36.4	40.2	41.2	42.0	42.3	42.5	42.7	42.9	42.9	42.9	43.0	43.1	43.2
GE 10000	30.5	31.5	36.1	38.6	42.7	43.7	44.6	44.9	45.1	45.4	45.5	45.5	45.6	45.7	45.7	45.8
GE 9000	31.7	32.8	37.6	40.3	44.6	45.7	46.5	46.9	47.1	47.3	47.5	47.5	47.6	47.7	47.7	47.8
GE 8000	34.8	36.0	41.4	44.3	49.1	50.3	51.2	51.7	51.9	52.2	52.3	52.4	52.4	52.5	52.6	52.7
GE 7000	36.2	37.5	43.2	46.3	51.4	52.6	53.6	54.1	54.3	54.6	54.8	54.9	54.9	55.0	55.1	55.2
GE 6000	36.7	38.0	43.8	46.9	52.1	53.4	54.4	54.9	55.1	55.4	55.6	55.7	55.7	55.8	55.8	56.0
GE 5000	39.5	40.9	47.2	50.5	56.0	57.4	58.5	59.0	59.3	59.6	59.8	59.9	59.9	60.0	60.0	60.2
GE 4500	41.0	42.5	49.0	52.4	58.1	59.5	60.6	61.1	61.4	61.8	62.0	62.1	62.1	62.2	62.2	62.4
GE 4000	45.5	47.2	54.4	58.1	64.5	66.1	67.3	67.8	68.2	68.6	68.8	68.9	68.9	69.0	69.0	69.2
GE 3500	48.9	50.7	58.3	62.4	69.2	70.9	72.2	72.7	73.1	73.5	73.7	73.8	73.9	74.0	74.0	74.1
GE 3000	53.0	54.9	63.5	67.9	75.7	77.6	79.1	79.7	80.1	80.6	80.8	80.9	81.0	81.1	81.1	81.2
GE 2500	54.6	56.7	65.6	70.4	78.8	80.8	82.4	83.1	83.5	84.0	84.2	84.3	84.4	84.5	84.5	84.7
GE 2000	56.1	58.2	67.8	72.9	82.0	84.2	86.0	86.9	87.3	87.9	88.2	88.3	88.4	88.5	88.5	88.7
GE 1800	56.4	58.6	68.3	73.6	82.9	85.1	87.0	87.9	88.4	88.9	89.3	89.4	89.4	89.5	89.6	89.7
GE 1500	57.0	59.2	69.4	74.8	84.6	87.0	89.1	90.0	90.5	91.1	91.5	91.7	91.7	91.8	91.9	92.0
GE 1200	57.4	59.6	70.1	75.7	86.1	88.7	91.0	92.0	92.7	93.3	93.8	93.9	94.0	94.1	94.2	94.3
GE 1000	57.6	59.7	70.3	76.1	86.7	89.5	92.0	93.0	93.7	94.4	94.9	95.0	95.1	95.3	95.3	95.5
GE 900	57.6	59.8	70.4	76.2	87.0	89.8	92.3	93.4	94.1	94.8	95.3	95.5	95.6	95.7	95.8	95.9
GE 800	57.6	59.8	70.4	76.3	87.2	90.1	92.7	93.9	94.6	95.4	95.9	96.1	96.3	96.4	96.5	96.6
GE 700	57.6	59.8	70.5	76.3	87.4	90.3	93.0	94.3	95.1	95.9	96.5	96.7	96.8	97.0	97.0	97.2
GE 600	57.6	59.8	70.5	76.4	87.4	90.4	93.2	94.5	95.4	96.3	96.9	97.2	97.3	97.5	97.5	97.7
GE 500	57.6	59.8	70.5	76.4	87.5	90.5	93.3	94.7	95.6	96.6	97.3	97.6	97.8	98.0	98.1	98.3
GE 400	57.6	59.8	70.5	76.4	87.5	90.5	93.4	94.8	95.8	96.8	97.6	97.9	98.2	98.4	98.5	98.8
GE 300	57.6	59.8	70.5	76.4	87.5	90.5	93.4	94.8	95.8	97.0	97.8	98.1	98.5	98.8	98.9	99.3
GE 200	57.6	59.8	70.5	76.4	87.5	90.5	93.4	94.8	95.8	97.0	97.9	98.2	98.6	98.9	99.1	99.6
GE 100	57.6	59.8	70.5	76.4	87.5	90.5	93.4	94.8	95.8	97.0	97.9	98.2	98.7	99.0	99.3	100.0
GE 000	57.6	59.8	70.5	76.4	87.5	90.5	93.4	94.8	95.9	97.0	97.9	98.2	98.7	99.1	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS: 38519

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	EEEEEEEEEE
PPPPPPPP	AAAAAAAA	RRRRRRRR	TTTTTTTTTT	EEEEEEEEEE
PP PP	AA AA	RR RR	TT	EE
PP PP	AA AA	RR RR	TT	EE
PPPPPPPP	AA AA	RRRRRRRR	TT	EEEEEE
PPPPPPPP	AAAAAAAAAA	RRRRRRRR	TT	EEEEEE
PP	AAAAAAAAAA	RR RR	TT	EE
PP	AA AA	RR RR	TT	EE
PP	AA AA	RR RR	TT	EEEEEEEEEE
PP	AA AA	RR RR	TT	EEEEEEEEEE

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PART E

TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

TEMPERATURE--CUMULATIVE PERCENT OCCURRENCE FREQUENCY (POF).

THESE TABLES ARE CREATED FROM SUMMARY OF DAY DATA AND GIVE CUMULATIVE POF FOR MAXIMUM, MINIMUM, AND MEAN TEMPERATURES, RESPECTIVELY. DATA IS SUMMARIZED BY MONTH FOR ALL YEARS COMBINED. TOTALS ARE GIVEN FOR THE WHOLE YEAR. DATA IS DISPLAYED USING 5-DEGREE FAHRENHEIT INCREMENTS (GE 0, GE 5, GE 10, ETC).. THERE IS ONE SPECIAL THRESHOLD FOR "GE 33" DEGREES. MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS ARE GIVEN.

NOTE 1. BEGINNING IN JANUARY 1946, DAILY MAXIMUM AND MINIMUM TEMPERATURES CAME ROUTINELY FROM HOURLY OBSERVATIONS ON AWS FORMS 10/10A OR FROM AUTOMATED DATA COLLECTION FROM ALL USAF-OPERATED STATIONS. REFER TO THE "STATION HISTORY" PAGE FOR DETAILED INFORMATION ON REPORTING PRACTICES.

MONTHLY TEMPERATURES.

ALSO FROM SUMMARY OF DAY DATA, THE TABLES GIVE MONTHLY MAXIMUM AND MINIMUM TEMPERATURES BY MONTH AND BY YEAR. MONTHLY RECORD TEMPERATURES (MAX AND MIN) ARE GIVEN, ALONG WITH TOTAL OBSERVATIONS. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

MEAN MONTHLY TEMPERATURE.

ALSO FROM SUMMARY OF DAY DATA, GIVES MONTHLY MEAN TEMPERATURE BY MONTH, FOR ALL MONTHS, AND FOR ALL YEARS. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

DRY BULB, WET BULB, AND DEW POINT TEMPERATURES.

THESE TABLES ARE CREATED FROM HOURLY OBSERVATIONS--DATA IS SUMMARIZED:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS ARE GIVEN. THE MEAN NUMBER OF HOURS WITH TEMPERATURES FOR VARIOUS THRESHOLDS ALSO APPEAR AS SPECIFIED IN EACH SUMMARY AND IN ACCORDANCE WITH APM 88-29, "ENGINEERING WEATHER DATA," AND AWSP 105-56, "METEOROLOGICAL TECHNIQUES."

NOTE 1. WINTER WET BULB AND DEW POINT MEAN TEMPERATURES FOR VERY COLD STATIONS MUST BE USED WITH CAUTION. WHEN THE DRY BULB TEMPERATURE IS BELOW -35 DEGREES F, DEW POINT TEMPERATURES ARE NOT REPORTED (FMH-1B). AS A RESULT, WINTER MEAN DEW POINTS (AND MORE FREQUENTLY, WINTER MEAN WET BULB TEMPERATURES) ARE ACTUALLY LOWER THAN SHOWN IN THE TABLES. IN SOME HOUR GROUPS, IN FACT, MEAN WET BULB TEMPERATURES MAY ACTUALLY BE SHOWN AS EXCEEDING THE MEAN DRY BULB TEMPERATURES.

SPECIAL CAVEAT: DURING PART TIME PERIODS, THESE SUMMARIES REPRESENT THE "HIGH" AND "LOW" TEMPERATURES RECORDED AND NOT NECESSARILY THE ACTUAL MAXIMUM AND MINIMUM VALUES. THESE SUMMARIES ARE INFLUENCED BY THE ABSENCE OF NIGHTTIME TEMPERATURE READINGS. THEREFORE, CERTAIN SUMMARIES MAY DEPICT A SLIGHT "WARM" BIAS.

TEMPERATURE CONVERSIONS: $F = 1.8C + 32$

C = K - 273.0 (BEFORE 5 APRIL 77)

C = K - 273.2 (SINCE 5 APRIL 77)

RELATIVE HUMIDITY--CUMULATIVE PERCENT OCCURRENCE FREQUENCY (POF).

CREATED FROM HOURLY OBSERVATIONS, THESE TABLES GIVE POF OF RELATIVE HUMIDITY FOR 10% INCREMENTS. MEANS AND TOTAL OBSERVATION COUNTS ARE ALSO PROVIDED. THE DATA IS SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).**
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).**
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).**

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OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MAXIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106420

STATION NAME: HAMAU AAF DL
LST TO UTC: -01

PERIOD OF RECORD: 4602-4608,5604-5604,5610-9012
MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
95						.1	1.8	.3					.2
90					.4	2.3	6.7	3.2					1.1
85				.3	1.4	8.1	17.2	11.1	1.1				3.3
80				1.1	8.0	20.8	33.8	26.4	6.9	.4			8.2
75			.4	4.0	18.8	39.1	49.5	49.6	19.7	2.7			15.5
70			1.2	12.2	37.2	57.1	69.7	71.4	42.6	8.3			25.3
65		.1	5.4	23.4	55.7	75.8	87.0	89.4	64.0	19.5	.3		35.5
60		1.8	12.2	40.0	76.0	91.1	98.1	99.1	87.8	40.7	3.3	.3	46.5
55	1.2	4.8	27.3	59.9	91.8	98.5	99.6	100.0	97.7	66.1	12.6	3.4	56.0
50	7.8	15.3	48.4	78.3	98.4	99.7	99.8		99.9	87.5	32.7	11.6	65.8
45	23.4	36.1	71.4	93.2	99.9	100.0	100.0		100.0	97.0	60.9	28.6	76.6
40	43.8	60.1	87.3	99.1	100.0					99.5	81.9	49.4	85.6
35	70.5	85.7	96.8	100.0						100.0	94.6	76.2	93.9
33	76.9	91.0	98.4								97.4	82.4	95.6
30	85.0	96.6	99.1								99.7	91.0	97.7
25	92.9	98.9	99.9								100.0	97.5	99.1
20	96.9	99.8	100.0									99.4	99.7
15	99.2	100.0										99.9	99.9
10	100.0											100.0	100.0
MEAN	38.0	42.0	49.5	57.6	66.4	71.6	75.1	74.6	68.1	58.1	46.2	39.9	57.5
SD	8.47	7.44	8.68	9.37	8.81	8.97	9.07	7.78	7.39	7.80	7.07	7.80	15.58
TOTAL OBS	896	832	965	950	943	925	926	928	884	929	874	887	10939

E - 2 - 1

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MINIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106420

STATION NAME: HAKAU AAF DL
LST TO UTC: -01

PERIOD OF RECORD: 4602-4608,5604-5604,5610-9012
MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE 80					.2		.1	.2					.0
GE 75					.2	.1	.2	.2					.1
GE 70					.6	.2	1.1	.3					.2
GE 65					1.0	1.3	6.6	2.0	.7				1.0
GE 60				.1	3.8	15.7	30.8	26.9	7.1	.6			7.2
GE 55			.7	1.9	16.0	46.5	67.5	63.7	28.4	6.9	1.1	.3	19.7
GE 50	.1	.6	3.1	12.7	45.1	80.3	93.0	90.4	60.5	26.2	4.5	1.7	35.3
GE 45	4.1	3.8	13.2	30.2	73.2	95.1	98.8	98.6	83.8	49.3	16.8	8.7	48.5
GE 40	13.3	13.7	31.7	54.9	91.8	99.6	100.0	99.9	96.0	71.5	39.0	19.7	61.5
GE 35	36.9	37.9	61.6	85.2	99.3	100.0		100.0	99.9	91.1	67.8	44.9	77.6
GE 33	47.4	50.5	71.0	91.7	99.8				100.0	95.8	77.7	55.8	82.9
GE 30	63.7	68.1	85.3	97.2	100.0					99.0	88.6	71.1	89.7
GE 25	76.7	83.8	94.1	99.7						100.0	97.0	83.0	94.7
GE 20	84.3	92.5	97.5	100.0							99.1	91.4	97.2
GE 15	92.0	96.6	99.4								100.0	97.2	98.8
GE 10	96.3	98.1	99.9									99.1	99.5
GE 5	98.2	99.4	100.0									99.5	99.8
GE 0	99.6	100.0										100.0	100.0
GE -5	100.0												100.0
MEAN	30.1	31.7	36.3	41.1	46.5	53.9	56.8	56.0	50.7	44.2	37.7	32.8	43.5
SD	9.80	8.01	7.43	6.50	6.46	5.52	5.39	5.22	6.08	6.97	7.02	8.73	11.64
TOTAL OBS	896	832	965	950	943	925	926	928	884	929	874	887	10939

E - 2 - 2

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MEAN TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: -01

PERIOD OF RECORD: 4602-4608,5604-5604,5610-9012
MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE 80					.3	.1	1.6	.5					.2
GE 75					.8	4.0	11.3	5.8	.1				1.9
GE 70				.1	4.0	16.1	29.9	23.4	4.0				6.6
GE 65				1.8	15.6	41.1	57.5	56.6	20.6	1.9			16.5
GE 60			.7	7.9	37.2	69.0	84.6	86.4	48.6	10.5	.2		29.1
GE 55		.7	4.6	24.9	67.7	91.8	98.7	99.1	82.2	32.4	3.4	1.0	42.7
GE 50	1.6	3.2	20.5	50.7	90.3	98.9	99.8	100.0	97.2	59.8	12.9	4.5	54.0
GE 45	10.8	12.9	44.1	73.3	98.4	100.0	100.0		99.8	84.8	37.0	16.8	65.6
GE 40	29.8	37.9	69.1	92.8	100.0				100.0	98.3	65.8	34.6	78.0
GE 35	54.8	66.8	89.2	99.8						99.8	87.9	63.8	88.9
GE 33	65.1	76.2	92.7	99.9						100.0	92.7	72.8	91.9
GE 30	75.8	86.1	96.4	100.0							97.0	81.5	94.9
GE 25	85.8	95.3	99.3								99.7	92.7	97.8
GE 20	92.9	98.3	99.8								100.0	97.7	99.1
GE 15	96.9	99.4	100.0									99.3	99.6
GE 10	99.2	100.0										99.9	99.9
GE 5	99.9											100.0	100.0
GE 0	100.0												100.0
MEAN	34.3	37.1	43.2	49.6	57.7	63.0	66.2	65.6	59.6	51.4	42.2	36.6	50.7
SD	8.89	7.22	7.21	6.91	6.53	6.34	6.30	5.42	5.53	6.36	6.62	8.03	13.13
TOTAL OBS	896	832	965	950	943	925	926	928	884	929	874	887	10939

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MAXIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106420

STATION NAME: HAKAU AAF DL
LST TO UTC: -01

PERIOD OF RECORD: 4602-4608,5604-5604,5610-9012
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
46		46*	69	77	78	87	93	90*					93*
56				68*						75	50	55	75*
57	54	61	66	73	78	94	97	81*	79*	66*	61*	45*	97*
58	45*	63*	65*	67*	83*	86*	84*	88*	82*	69*	56*	50*	88*
59	57*	58*	68*	80*	83*	86*	97*	87*	87*	74*	56*	53*	97*
60	50*	64*	69*	74*	82*	89*	85*	90*	79*	74*	62*	51*	90*
61	51*	61*	71*	80*	75*	88*	86*	87*	86*	71*	59*	61*	88*
62	54*	49*	56*	80*	78*	86*	89*	92*	79*	79*	62*	45*	92*
63	42*	40*	55*	71	80*	79*	91*	93*	80*	63	69*	44*	93*
64	41*	53*	59	78	83*	90*	95	94*	84*	70	58	55	95*
65	52	42	65	68	82	86	87	86	78	69	59	57	87
66	56	61	55	72	84	91	84	96	85	79	59	54	96
67	56	59	61	70	84	93	91	86	81	75	54	53	93
68	50	52	77	87	76	85	92	81	79	72	68	50	92
69	50	54	58	75	90	84	95	88	81	70	61	40	95
70	43	50	58	74	76	89	86	89	80	74	61	50	89
71	54	49	58	79	83	81	95	92	79	74	59	55	95
72	45	54	70	76	79	88	92	90	79	68	56	52	92
73	46	46	68	71	80	93	91	91	89	71	55	50	93
74	55	64*	69	73	77	82	84	98	80	53	64	57	98*
75	55	53	60	77	78	82	93	93	86	66	55	51	93
76	51	55	64	75	89	93	98	91	78	77	59	50*	98*
77	53*	57*	69	69	84	93	91*	86	80	77*	64*	48*	93*
78	46*	62*	69*	71*	84*	89*	93*	84*	77*	77*	51*	57*	93*
79	41*	50*	57*	71*	93*	95*	81*	87*	81*	81*	55*	59*	95*
80	48*	57*	66*	81*	79*	88*	90*	86*	82*	68*	61*	50*	90*
81	43*	55*	70*	75*	90*	88*	88*	88*	77*	73*	63*	48*	90*
82	54*	55*	63*	70*	84*	90*	90*	88*	86*	63*	61*	57*	90*
83	55*	52*	61*	72*	75*	86*	97*	86*	82*	79*	55*	52*	97*
84	46*	46*	57	72*	73	84*	95	86*	73*	70*	55*	48*	95*
85	52	52*	55*	75	81*	82*	88*	91*	84	81*	63*	61*	91*

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MAXIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: -01

PERIOD OF RECORD: 4602-4608,5604-5604,5610-9012
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
86	50*	45*	63*	73*	82*	91*	91*	86*	73*	75*	64*	57*	91*
87	41*	52*	57*	79*	75*	90*	88*	86*	82*	70*	57*	59*	90*
88	57*	52*	61*	77*	86*	84*	88*	88*	81*	66*	54*	55*	88*
89	48*	52*	79*	73*	84*	86*	93*	97*	84*	73*	59*	59*	97*
90	57*	66*	70*	72*	81*	91*	88*	90*	72*	77*	57*	46*	91*

GREATEST	57	66	79	87	93	95	98	98	89	81	69	61	98
TOTAL OBS	896	832	965	950	943	925	926	928	884	929	874	887	10939

THE GREATEST VALUE OF 98 OCCURRED ON 08/16/74

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MINIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: -01

PERIOD OF RECORD: 4602-4608,5604-5604,5610-9012
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
46		26*	24	26	34	42	45	46*					24*
56				34*						31	18	13	13*
57	14	27	26	28	32	42	50	42*	35*	32*	27*	20*	14*
58	11*	19*	15*	23*	39*	45*	50*	49*	43*	32*	33*	19*	11*
59	16*	16*	28*	27*	37*	46*	53*	47*	35*	27*	26*	25*	16*
60	-4*	18*	29*	33*	33*	43*	47*	50*	36*	34*	30*	24*	-4*
61	10*	30*	30*	41*	39*	47*	43*	47*	44*	35*	23*	10*	10*
62	17*	18*	17*	34*	36*	38*	45*	45*	37*	29*	25*	6*	6*
63	1*	2*	9*	30	39*	48*	47*	44*	41*	30	35*	12*	1*
64	9*	20*	21	34	40*	45*	40	43*	38*	30	30	13	9*
65	25	19	18	32	35	45	46	44	40	29	16	28	16
66	4	31	27	34	37	44	45	46	39	31	24	27	4
67	10	24	31	29	34	40	46	46	44	33	27	9	9
68	-3	14	23	28	36	44	48	48	46	32	28	15	-3
69	24	0	24	28	39	42	46	44	41	37	24	0	0
70	10	4	22	28	32	41	44	48	37	30	28	10	4
71	-1	17	12	32	37	44	44	46	36	32	24	24	-1
72	12	11	23	26	39	42	46	44	35	28	26	17	11
73	15	24	26	28	35	42	48	46	39	30	15	3	3
74	28	30*	30	30	37	42	44	46	39	33	26	28	26*
75	30	24	30	30	39	39	50	51	46	33	19	21	19
76	3	24	17	24	35	44	48	46	41	35	28	1*	1*
77	28*	26*	21	28	39	39	48*	48	37	35*	21*	24*	21*
78	24*	15*	26*	26*	39*	44*	48*	37*	35*	32*	21*	17*	15*
79	-5*	23*	32*	33*	33*	51*	46*	44*	36*	34*	30*	28*	-5*
80	14*	27*	30*	34*	36*	46*	48*	43*	45*	32*	27*	18*	14*
81	16*	19*	32*	30*	39*	48*	48*	43*	43*	36*	25*	18*	16*
82	0*	21*	30*	30*	37*	48*	55*	52*	43*	43*	32*	30*	0*
83	27*	16*	28*	34*	46*	48*	50*	50*	41*	30*	19*	16*	16*
84	25*	19*	27	34*	37	45*	50	52*	43*	37*	30*	23*	19*
85	3	1*	28*	32	39*	45*	50*	45*	37	30*	19*	16*	1*

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MINIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: -01

PERIOD OF RECORD: 4602-4608,5604-5604,5610-9012
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
86	18*	9*	30*	28*	43*	45*	45*	46*	37*	36*	32*	25*	9*
87	0*	10*	14*	28*	36*	45*	52*	43*	34*	39*	30*	14*	0*
88	25*	25*	21*	28*	45*	48*	48*	46*	39*	28*	16*	25*	16*
89	21*	30*	34*	34*	36*	41*	45*	46*	39*	34*	21*	18*	18*
90	30*	27*	34*	30*	36*	45*	41*	45*	39*	28*	30*	21*	21*
.....													
LEAST	-5	0	9	23	32	38	40	37	34	27	15	0	-5
.....													
TOTAL OBS	896	832	965	950	943	925	926	928	884	929	874	887	10939
.....													

THE LEAST VALUE OF -5 OCCURRED ON 01/05/79

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

E - 3 - 2B

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MEAN TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: -01

PERIOD OF RECORD: 4602-4608,5604-5604,5610-9012
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
46		38*	43	52	59	60	66	66*					55*
56				49*						50	39	39	44*
57	34	44	48	50	53	65	68	62*	56*	50*	42*	34*	51*
58	33*	39*	36*	45*	60*	61*	66*	68*	61*	51*	44*	39*	50*
59	36*	34*	47*	53*	59*	65*	72*	67*	60*	50*	40*	40*	52*
60	33*	36*	47*	50*	59*	64*	64*	64*	57*	53*	47*	37*	51*
61	34*	43*	47*	56*	55*	63*	61*	65*	65*	55*	42*	37*	52*
62	39*	37*	37*	51*	53*	60*	63*	64*	58*	52*	40*	29*	49*
63	22*	25*	41*	51	57*	63*	67*	64*	60*	48	48*	29*	48*
64	29*	38*	38	51	59*	65*	67	65*	60*	49	44	35	50*
65	38	32	42	48	57	63	63	62	58	49	39	41	49
66	31	46	41	53	59	65	63	64	60	55	39	39	51
67	37	41	45	48	59	62	69	65	60	56	41	34	51
68	33	36	44	52	56	64	65	64	60	54	41	33	50
69	38	31	39	49	59	61	68	65	60	51	43	27	49
70	30	34	39	46	56	65	63	66	59	52	45	34	49
71	30	38	38	51	61	60	67	67	57	50	40	40	50
72	32	39	45	49	56	60	67	63	55	47	42	36	49
73	35	36	43	45	58	64	66	68	61	49	41	34	50
74	42	41*	46	50	55	61	63	66	59	44	44	43	51*
75	42	39	42	49	56	62	69	70	63	48	40	35	51
76	37	36	40	49	59	68	71	66	59	54	43	33*	52*
77	37*	42*	48	46	58	63	65*	64	57	53*	45*	37*	52*
78	37*	34*	45*	49*	57*	62*	64*	62*	57*	50*	40*	36*	50*
79	27*	35*	44*	48*	59*	66*	64*	64*	60*	53*	43*	44*	50*
80	33*	42*	44*	48*	56*	63*	63*	67*	62*	49*	42*	35*	50*
81	31*	36*	49*	52*	60*	64*	67*	65*	61*	51*	46*	34*	52*
82	29*	36*	45*	48*	59*	67*	71*	69*	65*	54*	47*	41*	53*
83	42*	32*	45*	52*	55*	66*	72*	69*	62*	53*	39*	35*	52*
84	38*	37*	42	47*	54	61*	65	67*	57*	55*	43*	39*	51*
85	27	31*	42*	50	60*	59*	66*	65*	61	51*	35*	42*	49*

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MEAN TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: -01

PERIOD OF RECORD: 4602-4608,5604-5604,5610-9012
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
86	38*	27*	44*	48*	62*	65*	67*	66*	57*	54*	47*	39*	52*
87	23*	35*	37*	52*	55*	61*	68*	65*	63*	53*	45*	38*	50*
88	42*	40*	42*	51*	64*	65*	67*	66*	59*	54*	40*	42*	53*
89	37*	40*	50*	49*	63*	64*	68*	67*	62*	55*	40*	40*	53*
90	41*	45*	50*	50*	61*	64*	64*	68*	56*	54*	44*	35*	53*
MEAN	34.3	37.1	43.2	49.6	57.7	63.0	66.2	65.6	59.6	51.4	42.2	36.6	50.7
TOTAL OBS	896	832	965	950	943	925	926	928	884	929	874	887	10939

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	33.3	10.476	507	6	195	0	0	0	507
09-11	34.6	10.247	645	1	221	0	0	0	645
12-14	37.4	9.355	644	0	154	0	0	0	644
15-17	38.1	9.083	639	0	132	0	0	0	639
18-20	34.9	10.430	454	0	149	0	0	0	454
21-23	33.8	10.676	247	0	88	0	0	0	247
ALL HOURS	35.6	10.085	3136	7	939	0	0	0	3136

MONTH: FEB

00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	31.8	9.575	461	0	220	0	0	0	461
09-11	33.6	8.995	597	0	245	0	0	0	597
12-14	38.0	8.001	594	0	147	0	0	0	594
15-17	39.4	8.012	591	0	121	2	0	0	591
18-20	36.5	7.839	469	0	142	0	0	0	469
21-23	34.1	8.021	276	0	110	0	0	0	276
ALL HOURS	35.8	8.889	2988	0	985	2	0	0	2988

E - 5 - 1 - 1

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	38.6	7.332	524	0	103	0	0	0	524
09-11	42.7	6.991	669	0	47	1	0	0	669
12-14	47.7	7.560	662	0	7	9	0	0	662
15-17	49.3	8.434	645	0	8	23	0	0	645
18-20	44.6	7.959	457	0	21	7	0	0	457
21-23	41.1	7.503	236	0	27	1	0	0	236
ALL HOURS	44.6	8.476	3193	0	213	41	0	0	3193

MONTH: APR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	43.8	6.503	640	0	25	0	0	0	640
09-11	50.3	7.621	657	0	1	16	0	0	657
12-14	55.2	8.773	652	0	0	96	0	0	652
15-17	56.2	9.112	611	0	0	114	0	0	611
18-20	52.8	8.225	513	0	0	33	0	0	513
21-23	48.9	7.036	272	0	0	1	0	0	272
ALL HOURS	51.4	9.140	3345	0	26	260	0	0	3345

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	52.8	6.691	627	0	0	19	0	0	627
09-11	59.6	7.704	639	0	0	158	1	0	639
12-14	64.1	9.190	632	0	0	288	26	0	632
15-17	65.2	9.754	615	0	0	317	47	0	615
18-20	62.3	9.207	501	0	0	185	15	0	501
21-23	57.1	7.111	286	0	0	38	0	0	286
ALL HOURS	60.4	9.484	3300	0	0	1005	89	0	3300

MONTH: JUN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	58.4	6.137	648	0	0	90	0	0	648
09-11	64.5	7.851	649	0	0	285	18	0	649
12-14	68.6	9.136	645	0	0	382	96	0	645
15-17	69.8	9.513	610	0	0	398	108	0	610
18-20	67.9	9.341	481	0	0	268	63	0	481
21-23	63.0	7.721	288	0	0	107	2	0	288
ALL HOURS	65.5	9.334	3321	0	0	1530	287	0	3321

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420 STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	61.6	5.687	636	0	0	153	0	0	636
09-11	68.6	7.346	636	0	0	406	58	0	636
12-14	73.2	8.492	632	0	0	506	162	4	632
15-17	74.9	8.615	633	0	0	533	206	7	633
18-20	72.5	8.191	571	0	0	439	134	2	571
21-23	66.6	6.524	348	0	0	182	6	0	348
ALL HOURS	69.8	8.872	3456	0	0	2219	566	13	3456

MONTH: AUG

00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	59.7	5.745	667	0	0	112	0	0	667
09-11	67.4	6.430	671	0	0	396	24	0	671
12-14	72.8	7.449	674	0	0	536	144	1	674
15-17	74.3	7.733	643	0	0	542	181	2	643
18-20	70.7	7.258	538	0	0	392	69	0	538
21-23	64.7	5.993	299	0	0	133	0	0	299
ALL HOURS	68.5	8.623	3492	0	0	2111	418	3	3492

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULF TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	53.6	6.368	646	0	0	18	0	0	646
09-11	60.4	6.284	653	0	0	135	0	0	653
12-14	66.1	7.219	656	0	0	335	18	0	656
15-17	67.2	7.582	598	0	0	353	32	0	598
18-20	62.2	6.494	484	0	0	141	3	0	484
21-23	58.0	5.759	290	0	0	31	0	0	290
ALL HOURS	61.5	8.239	3327	0	0	1013	53	0	3327

MONTH: OCT

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	47.5	7.130	527	0	20	0	0	0	527
09-11	52.3	6.970	628	0	4	15	0	0	628
12-14	57.6	7.231	624	0	0	73	2	0	624
15-17	58.6	7.378	623	0	0	97	3	0	623
18-20	53.6	6.471	512	0	0	18	0	0	512
21-23	50.8	6.267	288	0	2	2	0	0	288
ALL HOURS	53.8	8.014	3202	0	26	205	5	0	3202

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420 STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	39.1	7.747	478	0	103	0	0	0	478
09-11	41.3	7.858	578	0	77	0	0	0	578
12-14	45.2	7.686	579	0	40	0	0	0	579
15-17	45.2	7.532	574	0	38	0	0	0	574
18-20	42.3	7.581	477	0	52	0	0	0	477
21-23	40.3	7.687	258	0	50	0	0	0	258
ALL HOURS	42.6	8.004	2944	0	360	0	0	0	2944

MONTH: DEC

00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	36.9	8.845	482	0	140	0	0	0	482
09-11	37.7	7.989	620	0	152	0	0	0	620
12-14	40.2	7.402	606	0	92	0	0	0	606
15-17	40.1	7.129	581	0	89	0	0	0	581
18-20	37.5	7.226	337	0	80	0	0	0	337
21-23	35.6	7.540	171	0	60	0	0	0	171
ALL HOURS	38.5	7.908	2797	0	613	0	0	0	2797

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	47.6	12.484	6843	6	806	392	0	0	6843
09-11	51.3	14.578	7642	1	747	1412	101	0	7642
12-14	55.8	15.304	7600	0	440	2225	448	5	7600
15-17	56.7	15.689	7363	0	388	2379	577	9	7363
18-20	54.2	15.516	5794	0	444	1483	284	2	5794
21-23	50.8	13.897	3259	0	337	495	8	0	3259
ALL HOURS	53.0	15.040	38501	7	3162	8386	1418	16	38501

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL

PERIOD OF RECORD: APR 81 - MAR 91

LST TO UTC: - 1

MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	32.3	10.111	507	205	3	0	0	0	507
09-11	33.2	9.810	644	233	8	0	0	0	644
12-14	35.4	8.935	644	175	22	0	0	0	644
15-17	36.0	8.735	638	160	20	0	0	0	638
18-20	33.3	9.965	454	167	8	0	0	0	454
21-23	32.3	10.168	247	96	3	0	0	0	247
ALL HOURS	34.0	9.622	3134	1036	64	0	0	0	3134

MONTH: FEB

00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	30.5	9.384	461	233	4	0	0	0	461
09-11	31.9	8.758	597	268	6	0	0	0	597
12-14	35.0	7.665	594	203	14	0	0	0	594
15-17	35.9	7.446	591	184	19	0	0	0	591
18-20	34.0	7.588	469	177	12	0	0	0	469
21-23	32.1	7.957	276	120	6	0	0	0	276
ALL HOURS	33.4	8.374	2988	1185	61	0	0	0	2988

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAR

HOURLY LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	37.0	6.850	523	119	6	0	0	0	523
09-11	39.9	6.219	669	61	33	0	0	0	669
12-14	43.0	6.192	662	23	99	0	0	0	662
15-17	43.8	6.402	645	23	128	0	0	0	645
18-20	40.5	6.593	457	38	39	0	0	0	457
21-23	38.2	6.707	236	35	10	0	0	0	236
ALL HOURS	40.8	6.877	3192	299	315	0	0	0	3192

MONTH: APR

HOURLY LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	41.5	5.842	640	39	73	0	0	0	640
09-11	45.6	5.992	657	4	188	0	0	0	657
12-14	48.3	6.493	652	3	292	0	0	0	652
15-17	48.6	6.528	611	5	267	1	0	0	611
18-20	46.6	6.257	513	5	166	2	0	0	513
21-23	44.5	5.697	272	2	57	0	0	0	272
ALL HOURS	46.0	6.652	3345	58	1043	3	0	0	3345

E - 5 - 2 - 2

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	49.7	5.517	627	0	331	0	0	0	627
09-11	53.4	5.454	639	0	483	3	0	0	639
12-14	55.2	5.790	632	0	515	12	0	0	632
15-17	55.7	5.963	615	0	519	20	0	0	615
18-20	54.5	5.755	501	0	408	8	0	0	501
21-23	52.4	5.484	286	0	205	1	0	0	286
ALL HOURS	53.6	6.041	3300	0	2461	44	0	0	3300

MONTH: JUN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	54.8	5.117	648	0	551	6	0	0	648
09-11	57.9	5.514	649	0	614	42	1	0	649
12-14	59.5	5.794	644	0	620	79	4	0	644
15-17	60.0	5.888	610	0	596	95	10	0	610
18-20	59.5	5.775	480	0	461	50	7	0	480
21-23	57.4	5.553	288	0	265	15	1	0	288
ALL HOURS	58.2	5.875	3319	0	3107	287	23	0	3319

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	58.2	4.699	636	0	619	26	1	0	636
09-11	61.6	5.105	636	0	636	127	9	0	636
12-14	63.2	5.207	632	0	632	185	18	0	632
15-17	63.9	5.121	633	0	633	190	34	0	633
18-20	63.2	4.990	571	0	571	155	25	0	571
21-23	60.9	4.833	348	0	348	46	3	0	348
ALL HOURS	61.9	5.423	3456	0	3439	729	90	0	3456

MONTH: AUG

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	57.0	4.867	667	0	616	9	0	0	667
09-11	61.1	4.724	671	0	669	89	4	0	671
12-14	63.1	4.846	674	0	674	179	8	0	674
15-17	63.4	4.877	643	0	643	195	11	0	643
18-20	62.1	4.849	538	0	538	113	2	0	538
21-23	59.6	4.613	299	0	298	20	0	0	299
ALL HOURS	61.1	5.351	3492	0	3438	605	25	0	3492

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL

PERIOD OF RECORD: APR 81 - MAR 91

LST TO UTC: - 1

MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	51.8	5.926	646	0	428	0	0	0	646
09-11	56.0	5.443	653	0	583	19	0	0	653
12-14	58.7	5.803	656	0	636	80	4	0	656
15-17	59.3	5.875	598	0	581	88	9	0	598
18-20	57.2	5.424	484	0	455	26	0	0	484
21-23	55.0	5.473	290	0	252	4	0	0	290
ALL HOURS	56.4	6.284	3327	0	2935	217	13	0	3327

MONTH: OCT

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	46.3	6.878	526	20	185	0	0	0	526
09-11	49.5	6.320	628	4	352	1	0	0	628
12-14	52.7	6.030	624	0	446	9	0	0	624
15-17	53.2	5.861	623	0	458	10	0	0	623
18-20	50.9	5.662	512	0	322	0	0	0	512
21-23	48.9	5.943	287	2	148	0	0	0	287
ALL HOURS	50.5	6.552	3200	26	1911	20	0	0	3200

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	38.0	7.443	477	108	19	0	0	0	477
09-11	39.6	7.307	578	82	49	0	0	0	578
12-14	42.3	6.872	579	44	75	0	0	0	579
15-17	42.4	6.689	574	41	83	0	0	0	574
18-20	40.5	7.024	476	54	43	0	0	0	476
21-23	38.9	7.284	258	53	17	0	0	0	258
ALL HOURS	40.5	7.296	2942	382	286	0	0	0	2942

MONTH: DEC

00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	35.9	8.390	481	144	20	0	0	0	481
09-11	36.4	7.386	620	163	21	0	0	0	620
12-14	38.2	6.726	606	107	35	0	0	0	606
15-17	38.1	6.463	581	109	29	0	0	0	581
18-20	36.1	6.776	337	88	16	0	0	0	337
21-23	34.5	7.140	171	61	3	0	0	0	171
ALL HOURS	36.9	7.230	2796	672	124	0	0	0	2796

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	45.5	11.543	6839	868	2855	41	1	0	6839
09-11	47.4	12.332	7641	815	3642	281	14	0	7641
12-14	49.8	12.006	7599	555	4060	544	34	0	7599
15-17	50.2	12.024	7362	522	3976	599	64	0	7362
18-20	49.0	12.450	5792	529	3039	354	34	0	5792
21-23	47.4	12.247	3258	369	1612	86	4	0	3258
ALL HOURS	48.3	12.198	38491	3658	19184	1905	151	0	38491

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	.0	.000	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0
06-08	30.5	10.732	507	161	153	507	0	507
09-11	30.9	10.453	644	181	197	644	0	644
12-14	32.2	9.906	644	150	224	644	0	644
15-17	32.7	9.902	638	161	221	638	0	638
18-20	30.5	11.120	454	134	133	454	0	454
21-23	29.6	11.147	247	80	62	247	0	247
ALL HOURS	31.3	10.504	3134	867	990	3134	0	3134

MONTH: FEB

00-02	.0	.000	0	0	0	0	0	594
03-05	.0	.000	0	0	0	0	0	594
06-08	27.6	11.422	461	164	81	461	0	594
09-11	28.4	10.651	597	226	110	597	0	594
12-14	30.1	9.868	594	192	147	593	0	594
15-17	30.3	9.617	591	189	166	591	0	594
18-20	29.4	9.968	469	162	120	469	0	594
21-23	28.1	10.231	276	110	47	276	0	594
ALL HOURS	29.1	10.352	2988	1043	671	2987	0	2988

E - 5 - 3 - 1

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	.0	.000	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0
06-08	34.6	7.352	523	78	234	523	0	523
09-11	36.4	6.903	669	68	350	669	0	669
12-14	37.5	7.148	662	60	374	662	0	662
15-17	37.2	7.433	645	72	340	645	0	645
18-20	35.2	7.815	457	70	189	457	0	457
21-23	34.2	7.849	236	45	89	235	0	236
ALL HOURS	36.1	7.464	3192	393	1576	3191	0	3192

MONTH: APR

00-02	.0	.000	0	0	0	0	0	652
03-05	.0	.000	0	0	0	0	0	652
06-08	38.7	6.393	640	24	393	640	0	652
09-11	40.6	6.681	657	21	467	652	0	652
12-14	41.2	7.285	652	26	470	645	0	652
15-17	40.8	7.331	611	20	434	604	1	652
18-20	40.0	7.228	513	15	356	504	2	652
21-23	39.6	6.657	272	8	182	269	0	652
ALL HOURS	40.2	7.050	3345	114	2302	3314	3	3345

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	.0	.000	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0
06-08	46.7	5.659	627	0	599	602	0	627
09-11	48.1	5.783	639	0	621	595	0	639
12-14	47.9	6.261	632	1	606	579	1	632
15-17	47.9	6.502	615	0	589	554	3	615
18-20	48.0	6.368	501	2	483	451	1	501
21-23	48.3	6.285	286	0	276	256	0	286
ALL HOURS	47.8	6.188	3300	3	3174	3037	5	3300

MONTH: JUN

00-02	.0	.000	0	0	0	0	0	644
03-05	.0	.000	0	0	0	0	0	644
06-08	52.0	5.365	648	0	646	507	4	644
09-11	53.0	5.810	649	0	646	468	8	644
12-14	52.8	6.272	644	0	640	472	17	644
15-17	52.9	6.560	610	0	608	434	20	644
18-20	53.4	6.049	480	0	480	340	16	644
21-23	53.1	5.945	288	0	288	211	9	644
ALL HOURS	52.8	6.082	3319	0	3308	2432	74	3319

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	.0	.000	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0
06-08	55.8	4.783	636	0	636	349	20	636
09-11	56.9	5.431	636	0	636	279	40	636
12-14	56.7	5.638	632	0	632	317	40	632
15-17	56.9	5.827	633	0	633	308	52	633
18-20	57.0	5.504	571	0	571	287	40	571
21-23	57.1	5.141	348	0	348	158	27	348
ALL HOURS	56.7	5.455	3456	0	3456	1698	219	3456

MONTH: AUG

00-02	.0	.000	0	0	0	0	0	674
03-05	.0	.000	0	0	0	0	0	674
06-08	55.0	4.991	667	0	667	388	3	674
09-11	56.9	5.223	671	0	671	302	42	674
12-14	56.7	5.685	674	0	674	311	40	674
15-17	56.2	5.755	643	0	643	326	31	674
18-20	56.3	5.460	538	0	538	261	25	674
21-23	55.9	5.255	299	0	299	149	12	674
ALL HOURS	56.2	5.508	3492	0	3492	1737	153	3492

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	.0	.000	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0
06-08	50.3	6.166	646	0	634	535	0	646
09-11	52.5	6.074	653	0	652	455	7	653
12-14	53.3	6.843	656	0	655	430	27	656
15-17	53.5	6.984	598	0	598	382	27	598
18-20	53.3	6.313	484	0	483	322	13	484
21-23	52.5	6.204	290	0	289	208	3	290
ALL HOURS	52.5	6.602	3327	0	3311	2332	77	3327

MONTH: OCT

00-02	.0	.000	0	0	0	0	0	624
03-05	.0	.000	0	0	0	0	0	624
06-08	45.0	7.014	526	5	464	510	0	624
09-11	47.0	6.791	628	1	577	592	0	624
12-14	48.5	6.762	624	0	591	555	3	624
15-17	48.6	6.642	623	0	594	543	2	624
18-20	48.4	6.101	512	0	493	461	0	624
21-23	47.0	6.292	287	1	273	267	0	624
ALL HOURS	47.5	6.789	3200	7	2992	2928	5	3200

E - 5 - 3 - 5

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	.0	.000	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0
06-08	36.4	8.013	477	66	256	477	0	477
09-11	37.5	7.724	578	48	321	578	0	578
12-14	38.9	7.375	579	36	353	577	0	579
15-17	39.1	7.025	574	36	366	574	0	574
18-20	38.2	7.314	476	40	286	476	0	476
21-23	36.9	7.708	258	32	136	258	0	258
ALL HOURS	38.0	7.594	2942	258	1718	2940	0	2942

MONTH: DEC

00-02	.0	.000	0	0	0	0	0	606
03-05	.0	.000	0	0	0	0	0	606
06-08	34.4	8.524	481	89	207	481	0	606
09-11	34.5	7.523	620	97	257	618	0	606
12-14	35.6	6.956	606	76	283	603	0	606
15-17	35.4	6.803	581	70	277	580	0	606
18-20	34.1	7.135	337	51	138	337	0	606
21-23	32.6	7.317	171	39	54	171	0	606
ALL HOURS	34.8	7.455	2796	422	1216	2790	0	2796

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 61 - MAR 91
MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	.0	.000	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0
06-08	43.3	11.800	6839	587	4970	5980	27	6839
09-11	43.7	12.119	7641	642	5505	6449	97	7641
12-14	44.5	11.674	7599	541	5649	6388	128	7599
15-17	44.4	11.686	7362	548	5469	6179	136	7362
18-20	44.4	12.249	5792	474	4270	4819	97	5792
21-23	44.0	12.541	3258	315	2343	2705	51	3258
ALL HOURS	44.1	11.957	38491	3107	28206	32520	536	38491

B - 5 - 3 - 7

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JAN

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO									MEAN	TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%		
00-02										.0	0
03-05										.0	0
06-08	100.0	100.0	100.0	100.0	100.0	100.0	94.3	82.4	55.0	89.1	507
09-11	100.0	100.0	100.0	100.0	99.5	97.8	91.9	77.3	41.3	86.0	644
12-14	100.0	100.0	100.0	99.8	98.3	95.2	85.1	64.4	25.5	81.6	644
15-17	100.0	100.0	100.0	100.0	98.0	93.6	84.0	60.2	22.6	80.6	638
18-20	100.0	100.0	100.0	100.0	98.5	95.6	87.2	69.2	34.8	83.7	454
21-23	100.0	100.0	100.0	100.0	99.6	94.7	88	72.9	34.0	84.3	247
ALL HOURS	100.0	100.0	100.0	100.0	98.9	96.2	88.3	70.5	34.9	84.0	3134

MONTH: FEB

00-02										.0	0
03-05										.0	0
06-08	100.0	100.0	99.1	98.5	96.1	94.8	89.6	70.1	43.2	84.4	461
09-11	100.0	99.8	99.8	98.5	96.3	91.8	83.2	59.5	28.3	80.6	597
12-14	100.0	99.8	99.2	96.8	92.6	82.7	65.7	39.1	14.0	73.4	594
15-17	100.0	99.5	98.6	97.0	89.7	72.9	53.6	32.5	10.2	70.0	591
18-20	100.0	99.8	99.4	98.3	93.2	81.9	70.1	46.9	18.3	75.5	469
21-23	100.0	100.0	99.6	98.2	95.7	86.6	75.4	54.7	21.0	78.2	276
ALL HOURS	100.0	99.8	99.3	97.8	93.7	84.7	72.1	49.3	21.9	76.6	2968

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAR

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02										.0	0
03-05										.0	0
06-08	100.0	100.0	100.0	100.0	99.6	98.7	92.2	73.2	36.7	85.5	523
09-11	100.0	100.0	99.7	99.0	97.3	93.3	79.8	52.8	20.3	79.0	669
12-14	100.0	99.8	99.1	97.3	88.7	74.8	52.1	27.5	8.2	69.0	662
15-17	100.0	100.0	98.6	94.1	79.8	61.2	41.2	23.7	6.5	64.7	645
18-20	100.0	100.0	98.7	95.8	89.3	75.3	56.5	37.0	9.8	70.8	457
21-23	100.0	100.0	98.3	98.3	96.2	88.1	76.7	51.3	17.4	77.2	236
ALL HOURS	100.0	100.0	99.2	97.3	91.1	80.9	64.7	42.6	16.0	73.8	3192

MONTH: APR

00-02										.0	0
03-05										.0	0
06-08	100.0	100.0	100.0	100.0	98.9	96.3	88.8	67.3	28.0	82.7	640
09-11	100.0	100.0	99.7	97.7	89.6	77.5	55.7	33.0	9.9	70.7	657
12-14	100.0	100.0	99.4	90.2	74.2	52.6	29.8	16.6	4.8	61.3	652
15-17	100.0	100.0	97.7	84.8	65.1	43.9	26.8	14.9	4.3	58.6	611
18-20	100.0	100.0	99.8	91.0	75.4	56.3	41.9	24.4	7.8	64.1	513
21-23	100.0	100.0	100.0	98.9	89.7	75.0	58.8	40.1	14.7	72.0	272
ALL HOURS	100.0	100.0	99.4	93.4	81.8	66.6	49.8	32.3	11.4	68.1	3345

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAY

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02										.0	0
03-05										.0	0
06-08	100.0	100.0	100.0	100.0	98.1	93.5	80.5	62.8	24.6	80.8	627
09-11	100.0	100.0	100.0	97.7	87.5	65.9	44.3	24.3	8.1	67.6	639
12-14	100.0	100.0	98.6	85.1	64.6	41.8	24.4	14.4	5.2	58.3	632
15-17	100.0	100.0	96.1	78.9	59.0	38.2	24.1	14.5	5.4	56.6	615
18-20	100.0	100.0	98.4	88.0	70.9	53.5	35.9	22.6	10.0	62.7	501
21-23	100.0	100.0	100.0	98.6	92.3	80.4	61.5	39.5	18.2	74.1	286
ALL HOURS	100.0	100.0	98.8	90.8	77.7	60.7	43.8	28.9	11.3	66.1	3300

MONTH: JUN

00-02										.0	0
03-05										.0	0
06-08	100.0	100.0	100.0	100.0	99.4	95.5	81.5	53.5	16.7	80.0	648
09-11	100.0	100.0	100.0	97.8	89.5	70.3	43.1	21.6	6.3	67.8	649
12-14	100.0	100.0	99.2	88.7	68.8	46.0	26.7	14.0	3.4	59.4	644
15-17	100.0	100.0	96.9	83.6	61.8	42.5	24.9	15.7	4.6	57.9	610
18-20	100.0	100.0	99.4	88.5	74.2	55.0	33.3	21.0	5.2	62.6	480
21-23	100.0	100.0	100.0	97.2	91.0	78.8	56.9	35.1	10.8	72.0	288
ALL HOURS	100.0	100.0	99.2	92.5	80.2	63.9	43.9	26.4	7.7	66.3	3319

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUL

HOURLS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02										.0	0
03-05										.0	0
06-08	100.0	100.0	100.0	100.0	100.0	98.1	88.1	60.4	19.7	81.9	636
09-11	100.0	100.0	100.0	99.2	91.5	71.2	42.1	20.4	3.8	67.7	636
12-14	100.0	100.0	99.8	91.9	68.5	42.6	20.4	10.3	2.5	58.1	632
15-17	100.0	100.0	99.2	84.4	62.6	37.4	17.5	7.4	1.1	55.6	633
18-20	100.0	100.0	99.8	91.8	74.1	49.0	26.3	12.1	3.0	60.3	571
21-23	100.0	100.0	100.0	100.0	96.8	84.5	59.2	31.9	7.2	72.8	348
ALL HOURS	100.0	100.0	99.8	94.2	81.2	62.4	41.2	23.3	6.2	65.6	3456

MONTH: AUG

HOURLS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02										.0	0
03-05										.0	0
06-08	100.0	100.0	100.0	100.0	99.9	97.9	91.8	72.1	31.5	84.9	667
09-11	100.0	100.0	100.0	99.3	94.2	79.9	50.2	23.8	5.7	70.3	671
12-14	100.0	100.0	99.9	93.5	72.3	43.9	19.7	7.4	3.1	58.6	674
15-17	100.0	100.0	99.2	88.8	60.3	33.6	14.3	6.4	1.6	55.0	643
18-20	100.0	100.0	100.0	95.0	80.7	55.0	27.7	11.5	3.7	62.1	538
21-23	100.0	100.0	100.0	99.3	97.3	85.6	62.5	38.1	8.4	74.2	299
ALL HOURS	100.0	100.0	99.8	95.7	83.0	64.5	43.2	26.0	9.3	67.1	3492

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: SEP

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO									MEAN	TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%		
00-02										.0	0
03-05										.0	0
06-08	100.0	100.0	100.0	100.0	100.0	99.1	96.1	86.2	50.0	89.2	646
09-11	100.0	100.0	100.0	99.8	98.6	89.1	70.9	41.8	10.3	76.2	653
12-14	100.0	100.0	100.0	98.5	87.7	64.9	31.9	14.3	3.8	64.7	656
15-17	100.0	100.0	100.0	95.3	83.6	57.4	30.8	13.7	3.7	63.1	598
18-20	100.0	100.0	100.0	99.4	96.3	84.9	62.0	37.6	10.7	74.1	484
21-23	100.0	100.0	100.0	100.0	99.3	95.5	86.2	65.5	25.9	82.9	290
ALL HOURS	100.0	100.0	100.0	98.7	93.7	80.5	60.9	41.4	17.0	74.4	3327

MONTH: OCT

00-02										.0	0
03-05										.0	0
06-08	100.0	100.0	100.0	100.0	100.0	100.0	98.5	93.7	56.5	91.2	526
09-11	100.0	100.0	100.0	100.0	99.2	97.0	88.1	65.0	25.0	82.8	628
12-14	100.0	100.0	100.0	98.9	95.7	81.7	60.4	34.6	8.7	73.0	624
15-17	100.0	100.0	100.0	98.9	93.1	76.1	55.7	30.7	8.5	71.1	623
18-20	100.0	100.0	100.0	100.0	100.0	97.3	87.3	65.8	25.8	83.2	512
21-23	100.0	100.0	100.0	100.0	100.0	99.7	94.1	81.9	41.1	87.5	287
ALL HOURS	100.0	100.0	100.0	99.6	97.7	90.7	78.5	58.8	25.3	80.5	3200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: NOV

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO									MEAN	TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%		
00-02										.0	0
03-05										.0	0
06-08	100.0	100.0	100.0	99.8	99.6	99.0	98.5	90.1	52.2	89.8	477
09-11	100.0	100.0	100.0	100.0	99.8	98.6	93.8	78.9	39.4	86.4	578
12-14	100.0	100.0	100.0	100.0	99.1	94.0	81.0	50.4	19.5	79.0	579
15-17	100.0	100.0	100.0	100.0	99.0	95.1	81.4	51.9	19.2	79.6	574
18-20	100.0	100.0	100.0	100.0	100.0	98.7	93.9	75.2	34.9	85.4	476
21-23	100.0	100.0	100.0	100.0	100.0	99.6	97.3	84.9	39.5	87.4	258
ALL HOURS	100.0	100.0	100.0	100.0	99.5	97.2	89.9	69.8	32.9	84.1	2942

MONTH: DEC

00-02										.0	0
03-05										.0	0
06-08	100.0	100.0	100.0	100.0	100.0	99.4	98.5	89.8	60.3	90.7	481
09-11	100.0	100.0	100.0	100.0	100.0	99.5	96.8	83.1	47.4	88.3	620
12-14	100.0	100.0	100.0	100.0	99.5	97.4	91.3	69.0	30.0	83.8	606
15-17	100.0	100.0	100.0	100.0	99.7	97.4	91.7	68.7	28.2	83.6	581
18-20	100.0	100.0	100.0	100.0	99.4	99.4	96.4	81.3	43.6	87.3	337
21-23	100.0	100.0	100.0	100.0	100.0	100.0	97.7	88.3	44.4	88.7	171
ALL HOURS	100.0	100.0	100.0	100.0	99.7	98.6	94.8	78.3	41.2	86.7	2796

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: ALL

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02										.0	0
03-05										.0	0
06-08	100.0	100.0	99.9	99.9	99.3	97.6	91.1	74.2	38.1	85.5	6839
09-11	100.0	100.0	99.9	99.1	95.2	85.8	69.6	47.9	20.1	76.8	7641
12-14	100.0	100.0	99.6	95.0	83.9	67.6	48.3	29.6	10.5	68.1	7599
15-17	100.0	100.0	98.9	92.1	79.0	62.0	45.1	28.0	9.5	66.2	7362
18-20	100.0	100.0	99.6	95.4	86.9	73.8	57.9	40.1	16.2	71.9	5792
21-23	100.0	100.0	99.8	99.2	96.3	88.5	74.8	55.1	22.3	78.7	3258
ALL HOURS	100.0	100.0	99.6	96.5	89.5	78.2	63.2	44.6	19.0	74.0	38491

FFFFFFFF	AAAAAA	RRRRRRRR	TTTTTTTT	FFFFFFFF
FFFFFFFF	AAAAAAAA	RRRRRRRR	TTTTTTTT	FFFFFFFF
FF FF	AA AA	RR RR	TT	FF
FF FF	AA AA	RR RR	TT	FF
FFFFFFFF	AA AA	RRRRRRRR	TT	FFFFF
FFFFFFFF	AAAAAAAAAA	RRRRRRRR	TT	FFFFF
FF	AAAAAAAAAA	RR RR	TT	FF
FF	AA AA	RR RR	TT	FF
FF	AA AA	RR RR	TT	FF
FF	AA AA	RR RR	TT	FF

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PART F

PRESSURE SUMMARIES

ALL PRESSURE DATA IN PART F IS TAKEN FROM HOURLY OBSERVATIONS. IT IS SUMMARIZED:

- BY EIGHT 3-HOUR STANDARD SYNOPTIC REPORTING TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

SEA LEVEL PRESSURE.

IN MILLIBARS, TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS. THIS SUMMARY IS NOT AVAILABLE FOR METAR REPORTING SITES.

ALTIMETER SETTING.

IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS.

STATION PRESSURE.

IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNTS.

PRESSURE CONVERSIONS ARE: 1 MILLIBAR = 0.02953 INCHES OF MERCURY (HG).

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

ALTIMETER SETTING IN INCHES
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 61 - MAR 91

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0100	MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
	TOT OBS	0	0	0	0	0	0	0	0	0	0	0	0	0
0400	MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
	TOT OBS	0	0	0	0	0	0	0	0	0	0	0	0	0
0700	MEAN	30.07	30.05	30.01	29.98	29.97	30.02	30.07	30.04	30.08	30.06	30.08	30.06	30.04
	SD	.360	.382	.313	.243	.229	.161	.143	.151	.207	.287	.292	.377	.272
	TOT OBS	193	180	201	217	208	219	214	223	219	211	191	183	2459
1000	MEAN	30.09	30.07	30.02	29.99	29.98	30.03	30.08	30.05	30.09	30.08	30.11	30.05	30.05
	SD	.369	.373	.311	.240	.227	.159	.142	.151	.208	.286	.295	.391	.278
	TOT OBS	215	198	222	222	216	216	210	223	218	210	193	207	2550
1300	MEAN	30.08	30.07	30.01	29.96	29.96	30.01	30.06	30.03	30.07	30.06	30.08	30.03	30.04
	SD	.369	.366	.310	.236	.222	.158	.138	.146	.205	.277	.298	.391	.274
	TOT OBS	214	199	219	218	210	214	212	226	220	207	193	202	2534
1600	MEAN	30.07	30.05	29.98	29.94	29.95	30.00	30.03	30.01	30.05	30.04	30.07	30.03	30.02
	SD	.367	.357	.310	.231	.214	.155	.138	.142	.201	.273	.292	.387	.271
	TOT OBS	214	198	217	207	212	214	212	222	208	208	191	193	2496
1900	MEAN	30.05	30.04	29.99	29.95	29.93	29.99	30.03	30.01	30.06	30.06	30.08	30.07	30.02
	SD	.359	.360	.310	.220	.206	.151	.127	.142	.204	.269	.296	.373	.265
	TOT OBS	155	165	158	165	160	153	182	172	158	177	165	113	1923
2200	MEAN	30.04	30.05	30.01	29.96	29.94	30.01	30.06	30.03	30.08	30.10	30.12	30.12	30.04
	SD	.352	.364	.312	.242	.199	.153	.127	.138	.203	.251	.304	.351	.260
	TOT OBS	119	140	103	128	132	138	170	134	138	134	119	80	1535
ALL HOURS	MEAN	30.07	30.06	30.00	29.96	29.96	30.01	30.05	30.03	30.07	30.06	30.09	30.05	30.03
	SD	.364	.368	.312	.236	.219	.157	.137	.147	.205	.276	.296	.383	.271
	TOT OBS	1110	1080	1120	1157	1138	1154	1200	1200	1161	1147	1052	978	13497

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

STATION PRESSURE IN INCHES
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91

HOURLY (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0100	MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
	TOT OBS	0	0	0	0	0	0	0	0	0	0	0	0	0
0400	MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
	TOT OBS	0	0	0	0	0	0	0	0	0	0	0	0	0
0700	MEAN	29.67	29.65	29.60	29.58	29.57	29.62	29.67	29.64	29.67	29.67	29.68	29.63	29.64
	SD	.361	.372	.313	.241	.227	.157	.141	.148	.208	.283	.298	.364	.269
	TOT OBS	194	178	190	216	208	218	214	224	231	212	187	188	2460
1000	MEAN	29.69	29.67	29.62	29.58	29.57	29.62	29.67	29.65	29.69	29.67	29.70	29.65	29.65
	SD	.365	.369	.308	.237	.225	.157	.140	.148	.207	.283	.291	.387	.274
	TOT OBS	215	198	222	222	216	216	210	224	218	209	193	207	2550
1300	MEAN	29.68	29.66	29.61	29.56	29.56	29.61	29.66	29.63	29.67	29.65	29.68	29.63	29.63
	SD	.365	.362	.307	.233	.220	.155	.136	.144	.203	.275	.295	.387	.271
	TOT OBS	214	199	219	218	210	214	212	226	220	207	193	202	2534
1600	MEAN	29.67	29.65	29.57	29.53	29.54	29.59	29.63	29.61	29.65	29.63	29.67	29.62	29.61
	SD	.363	.352	.307	.228	.212	.152	.136	.140	.199	.270	.289	.382	.268
	TOT OBS	214	198	217	207	212	214	212	222	208	208	192	192	2496
1900	MEAN	29.65	29.64	29.59	29.55	29.53	29.59	29.63	29.61	29.66	29.66	29.68	29.67	29.62
	SD	.355	.355	.306	.217	.205	.148	.125	.140	.201	.265	.293	.365	.261
	TOT OBS	155	165	158	165	160	153	182	172	158	178	164	113	1923
2200	MEAN	29.63	29.65	29.61	29.56	29.54	29.60	29.65	29.63	29.68	29.69	29.71	29.71	29.64
	SD	.348	.359	.308	.240	.197	.150	.124	.136	.200	.248	.300	.347	.257
	TOT OBS	119	140	103	128	132	138	170	134	138	134	119	80	1535
ALL HOURS	MEAN	29.67	29.65	29.60	29.56	29.55	29.61	29.65	29.63	29.67	29.66	29.69	29.64	29.63
	SD	.361	.362	.309	.234	.217	.154	.135	.144	.204	.273	.294	.377	.268
	TOT OBS	1111	1078	1109	1156	1138	1153	1200	1202	1173	1148	1048	982	13498

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTT	GGGGGG
PPPPPPPP	AAAAAAAA	RRRRRRRRR	TTTTTTTTT	GGGGGGGG
PP PP	AA AA	RR RR	TT	GG GG
PP PP	AA AA	RR RR	TT	GG
PPPPPPPP	AA AA	RRRRRRRRR	TT	GG
PPPPPPPP	AAAAAAAAA	RRRRRRRR	TT	GG GG
PP	AAAAAAAAA	RR RR	TT	GG GG
PP	AA AA	RR RR	TT	GG GG
PP	AA AA	RR RR	TT	GGGGGGG
PP	AA AA	RR RR	TT	GGGGGG

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PART G

CROSSWIND SUMMARY

CROSSWIND SUMMARIES.

THESE TABLES ARE CREATED FROM HOURLY AND SPECIAL OBSERVATIONS (INCLUDING PEAK GUST REMARKS). THE TABLES ARE SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY MONTH (ALL YEARS AND THE HOURS 0600-2000 LST COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND THE HOURS 0600-2000 LST COMBINED).

THE TABLES GIVE PERCENT OCCURRENCE FREQUENCY (POF) OF THE "CROSS-RUNWAY WIND COMPONENT" FOR THE WIND SPEED CLASSES SPECIFIED IN THE TABLE HEADINGS. THERE ARE TWO COMPONENT CATEGORIES:

THE FIRST COMPONENT IS COMPUTED FROM THE REPORTED WIND DIRECTION AND WIND SPEED FROM HOURLY RECORD OR RECORD-SPECIAL OBSERVATIONS.

THE SECOND COMPONENT IS COMPUTED FROM THE HIGHEST REPORTED WIND SPEED AND DIRECTION FROM ALL OBSERVATIONS INCLUDING REMARKS, GUSTS, AND SPECIAL OBSERVATIONS.

OBSERVATION COUNTS INCLUDE CALM WINDS.

VARIABLE WINDS ARE CONSIDERED A DIRECT CROSSWIND IF THE SPEED EQUALS OR EXCEEDS THE SPECIFIED THRESHOLD WIND SPEED VALUE(S).

A TOTAL OBSERVATION COUNT IS INCLUDED.

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 100-280

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JAN

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (BOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A				0				0	15.3	1.0	.2	509	19.7	.6	.3	644
CATEGORY B				0				0	18.2	7.0	1.8	598	21.6	5.9	1.8	760

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	24.5	2.2	.3	644	20.0	.8	.2	641	16.3	.7		454	15.0			247
CATEGORY B	26.7	7.7	2.2	731	22.6	4.1	1.1	726	18.9	3.3	.6	487	17.0	1.6	.8	253

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	19.5	1.1	.2	2892	19.2	1.0	.2	3139
CATEGORY B	21.9	5.7	1.6	3302	21.6	5.4	1.5	3555

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 100-280

STATION NUMBER: 106420 STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: FEB

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A				0				0	13.2	.4		462	16.7	2.2	.8	597
CATEGORY B				0				0	15.7	3.8	1.3	554	20.9	5.4	2.1	707

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	21.5	2.3	1.0	596	19.4	1.3		594	14.6	.6	.2	473	13.9	1.1	.7	280
CATEGORY B	27.6	8.6	3.7	710	24.2	7.0	1.7	699	18.7	4.8	.8	520	17.5	6.1	3.0	297

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	17.3	1.5	.4	2722	17.0	1.4	.5	3002
CATEGORY B	21.5	6.1	2.0	3190	21.5	6.1	2.1	3487

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 100-280

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAR

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A				0				0	12.0	.8		524	22.2	.7	.1	667
CATEGORY B				0				0	13.3	3.0	.7	596	24.0	6.3	1.7	746

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	29.1	1.8	.2	663	30.8	1.2		647	15.8	.2		457	9.7			236
CATEGORY B	34.1	10.2	2.6	735	34.6	7.2	1.9	696	16.3	3.6	.6	478	12.3	3.4		236

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	22.8	1.0	.1	2958	21.9	.9	.1	3194
CATEGORY B	25.5	6.4	1.6	3251	24.6	6.2	1.5	3487

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 100-280

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: APR

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A				0				0	6.5			645	15.6	.2		659
CATEGORY B				0				0	6.6	.5	.3	737	17.2	2.7	.3	740

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	19.6	.8		652	21.1	.3		611	11.1	.2		513	5.5			272
CATEGORY B	22.9	4.3	.4	719	22.6	3.6	.3	659	12.8	.9		537	5.7	.7		279

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	14.9	.3		3080	14.1	.3		3352
CATEGORY B	16.5	2.5	.3	3392	15.7	2.3	.2	3671

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 100-280

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAY

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A				0				0	6.1			628	14.6	.2		639
CATEGORY B				0				0	7.9	1.7		692	17.0	3.2	.1	693

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	19.0	.2		632	15.0			615	6.2			501	.3			286
CATEGORY B	24.3	3.5	.4	683	19.7	4.1	.6	681	8.1	1.3	.2	543	1.0			295

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	12.4	.1		3015	11.4	.1		3301
CATEGORY B	15.7	2.8	.3	3292	14.5	2.6	.3	3587

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 100-280

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUN

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A				0				0	3.4	.2		651	8.2			649
CATEGORY B				0				0	3.6	.7	.4	740	11.7	1.0	.3	720

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	13.8	.5		645	13.1	.5		610	4.6	.2		481	.7			288
CATEGORY B	19.7	3.2	.4	727	18.7	3.4	.6	668	6.1	.8		509	2.6	.3	.3	305

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	8.8	.3		3036	8.1	.2		3324
CATEGORY B	12.2	1.8	.4	3364	11.4	1.7	.4	3669

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 100-280

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUL

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A				0				0	3.1			639	7.5	.2		637
CATEGORY B				0				0	4.0	.3		695	10.6	1.3		680

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	13.8	.3		632	9.2	.2		633	4.7			571	3.4	.3		348
CATEGORY B	18.4	1.6		689	14.7	1.5	.4	675	6.5	.7		596	3.6	.8		359

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	7.7	.1		3112	7.3	.1		3460
CATEGORY B	10.9	1.1	.1	3335	10.2	1.1	.1	3694

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 100-280

STATION NUMBER: 106420 STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: AUG

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A				0				0	1.9	.1		667	6.7			671
CATEGORY B				0				0	2.5	.6	.3	770	8.9	.7		749

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	12.6	.1		674	10.6	.2		643	7.6	.2		538	2.0			299
CATEGORY B	15.6	1.4		731	14.2	1.7	.3	705	9.5	.7		582	2.6			312

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	7.9	.1		3193	7.4	.1		3492
CATEGORY B	10.0	1.0	.1	3537	9.4	.9	.1	3849

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 100-280

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: SEP

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A				0				0	4.2	.2		646	12.3	.2		653
CATEGORY B				0				0	6.4	.9		782	15.4	2.3	.7	740

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	19.4	.6		656	14.0			598	4.1	.2		484	3.8			290
CATEGORY B	23.2	4.1	.4	714	17.3	1.7		640	7.2	.6		514	5.9	.3		306

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	11.1	.2		3037	10.5	.2		3327
CATEGORY B	14.1	2.0	.2	3390	13.4	1.8	.2	3696

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 100-280

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: OCT

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A				0				0	6.6			530	15.0	.3	.2	628
CATEGORY B				0				0	8.0	2.3	.9	687	16.6	4.0	.8	751

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	18.3	1.1	.2	624	14.6	.6	.2	623	7.6			512	4.5			288
CATEGORY B	22.4	4.9	1.6	696	16.0	3.3	1.3	668	8.0	1.4	.4	561	6.7	1.7		299

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	12.8	.4	.1	2917	12.0	.4	.1	3205
CATEGORY B	14.5	3.3	1.0	3363	13.9	3.1	.9	3662

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 100-280

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: NOV

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A				0				0	6.5			479	10.7	.2		579
CATEGORY B				0				0	7.6	1.4	.3	590	12.5	1.6	.3	687

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	19.0	.5		579	11.3	.2		574	8.6	.4		477	8.5	.4		258
CATEGORY B	20.1	3.6	.8	666	13.5	2.7	.6	673	9.0	2.1	.4	134	8.5	1.1	1.1	272

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	11.5	.3		2688	11.2	.3		2946
CATEGORY B	12.8	2.3	.5	3150	12.5	2.2	.5	3422

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 100-280

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: DEC

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A				0				0	16.4	.2		483	16.8	.5	.2	620
CATEGORY B				0				0	19.5	3.8	1.7	584	18.1	5.0	1.3	747

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	21.4	.8		607	18.1	.9	.3	581	12.8	.6		337	14.0	1.2		171
CATEGORY B	23.0	6.4	1.3	708	20.5	4.9	1.2	688	14.7	4.8	2.9	374	13.6	4.0	2.3	177

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	17.5	.6	.1	2628	17.3	.6	.1	2799
CATEGORY B	19.6	5.0	1.5	3101	19.3	5.0	1.6	3278

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 100-280

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: ALL

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A				0				0	7.4	.2	.0	6863	13.8	.4	.1	7643
CATEGORY B				0				0	8.9	2.0	.6	8025	16.3	3.3	.8	8720

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	19.3	.9	.1	7604	16.5	.5	.1	7370	9.2	.3	.0	5798	6.3	.2	.1	3263
CATEGORY B	23.2	5.0	1.2	8509	19.9	3.8	.8	8178	11.1	2.0	.4	6235	7.6	1.5	.6	3390

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	13.6	.5	.1	35278	12.9	.5	.1	38541
CATEGORY B	16.2	3.3	.8	39667	15.5	3.2	.8	43057

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	HH	HH
PPPPPPPP	AAAAAAAA	RRRRRRRR	TTTTTTTTTT	HH	HH
PP PP	AA AA	RR RR	TT	HH	HH
PP PP	AA AA	RR RR	TT	HH	HH
PPPPPPPP	AA AA	RRRRRRRR	TT	HH	HH
PPPPPPPP	AAAAAAAAAA	RRRRRRRR	TT	HHHHHHHHHH	HHHHHHHHHH
PP	AAAAAAAAAA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH

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PART B

DEGREE DAY SUMMARIES

DEGREE DAYS.

CREATED FROM HOURLY OBSERVATIONS (MAX+MIN/2 WHEN AVAILABLE), THESE TABLES GIVE THE NUMBER OF DEGREE DAYS FOR EACH MONTH IN EACH YEAR OF THE AVAILABLE PERIOD OF RECORD.

INCLUDED BENEATH EACH SUMMARY ARE STATISTICS BASED ON A 30-YEAR (1951-1980) FOR (IF AVAILABLE). THE 30-YEAR FOR PROVIDES AWS USERS WITH A SUMMARY CONSISTENT WITH OTHER STANDARD CLIMATIC PUBLICATIONS, NOTABLY THOSE OF THE NATIONAL CLIMATIC DATA CENTER (NCDC). NOTE THAT THE 30-YEAR FOR WILL CHANGE TO 1961-1990 AS SOON AS DATA FOR DECEMBER 1990 HAS BEEN PROCESSED.

MONTHS WITH NO AVAILABLE DATA AND MONTHS WITH A VALUE OF ZERO APPEAR AS BLANKS IN THESE TABLES. ASTERISKS (****) DENOTE AN INCOMPLETE MONTH WITH A DAY (OR DAYS) THAT CANNOT BE CALCULATED (FILLED IN) AUTOMATICALLY.

HEATING DEGREE DAYS.

ONE "HEATING DEGREE DAY" IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE MEAN TEMPERATURE FALLS BELOW A DESIGNATED "BASE TEMPERATURE" OF 65 DEGREES* FAHRENHEIT. FOR EXAMPLE, IF THE MEAN TEMPERATURE ON A GIVEN DAY IS 57 DEGREES, THAT DAY IS SAID TO HAVE 8 HEATING DEGREE DAYS.

COOLING DEGREE DAYS.

ONE "COOLING DEGREE DAY" IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE TEMPERATURE RISES ABOVE A DESIGNATED "BASE TEMPERATURE" OF 65 DEGREES* FAHRENHEIT. FOR EXAMPLE, IF THE MEAN TEMPERATURE FOR A GIVEN DAY IS 73 DEGREES, THAT DAY IS SAID TO HAVE 8 COOLING DEGREE DAYS.

*65 DEGREES FAHRENHEIT HAS BEEN SELECTED AS THE NATIONWIDE STANDARD "BASE TEMPERATURE" AT WHICH (AT LEAST THEORETICALLY) NO HEATING OR COOLING IS REQUIRED. IF ANOTHER BASE TEMPERATURE IS USED IN THESE TABLES, IT WAS SPECIALLY REQUESTED BY THE STATION, AND IS NOTED.

NOTE 1. THESE SUMMARIES ARE NOT AVAILABLE FOR PART TIME PERIODS.

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

HEATING DEGREE DAYS
FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 65

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 65 - DEC 75

YEARS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
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MEAN

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

COOLING DEGREE DAYS
FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 65

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 65 - DEC 75

YEARS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
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MEAN	
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A W S CLIMATIC BRIEF MAR 92	STATION NAME: HANAU AAF DL LATITUDE/LONGITUDE: 50 10 N 008 58 E HOURLY OBS POR: APR 81 - MAR 91 SUMMARY OF DAY POR: FEB 46-AUG 46, APR 56-APR 56, OCT 56-FEB 91 HOURS SUMMARIZED: 0600 - 2200 LST LST TO UTC: -01												FIELD ELEV: 368 FT STATION MSC: 106420 CALL SIGN: EDID SUPERSEDES: JUN 87		
	MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YOR
	EXTN MAX TEMP (F)	57	66	79	87	93	95	98	98	89	81	69	61	98	36
	MEAN MAX TEMP (F)	38	42	50	58	66	72	75	75	68	58	46	40	58	36
	MEAN TEMP (F)	34	37	43	50	58	63	66	66	60	51	42	37	51	36
	MEAN MIN TEMP (F)	30	32	36	41	49	54	57	56	51	44	38	33	44	36
	EXTN MIN TEMP (F)	-5	0	9	23	32	38	40	37	34	27	15	0	-5	36
	D/W TEMP GE 80 (F)	0	0	0	1	2	6	10	8	2	#	0	0	29	36
	D/W TEMP GE 70 (F)	0	0	1	4	12	17	22	22	13	3	0	0	94	36
	D/W TEMP LT 33 (F)	16	14	9	2	#	0	0	0	0	1	7	14	63	36
	D/W TEMP LT 20 (F)	5	2	1	0	0	0	0	0	0	0	1	3	12	36
	HEATING DEGREE DAYS	0	0	0	0	0	0	0	0	0	0	0	0	0	11
	COOLING DEGREE DAYS	0	0	0	0	0	0	0	0	0	0	0	0	0	11
	MEAN DEWPOINT TEMP (F)	31	29	36	40	47	52	56	56	52	47	38	34	44	10
	MEAN WET BULB TEMP (F)	34	33	40	46	53	58	61	61	56	50	40	36	48	10
	99.95% WCPA (FT)	1350	1350	1250	1050	1000	750	650	700	850	1100	1100	1400	1100	10
	MEAN REL HUM 07 LST(%)	89.1	84.4	85.5	82.7	80.8	80.0	81.9	84.9	89.2	91.2	89.8	90.7	85.5	10
	MEAN REL HUM 13 LST(%)	81.6	73.4	69.0	61.3	58.3	59.4	58.1	58.6	64.7	73.0	79.0	83.8	68.1	10
	MAX 24HR PRECIP (IN)	1.21	1.12	1.07	1.94	1.51	2.22	2.14	1.36	1.88	2.30	1.81	1.70	2.30	38
	MAX PRECIP (IN)	3.82	4.28	4.15	4.21	6.56	5.10	5.94	5.32	4.19	6.28	4.25	5.54	36.76	38
	MEAN PRECIP (IN)	1.52	1.48	1.45	1.87	2.01	2.80	2.15	2.28	1.97	1.45	2.13	2.07	25.74	38
	MIN PRECIP (IN)	.49	.27	.35	.23	.64	.54	.30	.04	.44	.20	.83	.45	16.52	38
	D/W PRECIP GE .01 (IN)	14	10	12	11	12	13	11	12	10	10	12	13	140	38
	D/W PRECIP GT .50 (IN)	1	1	1	1	1	1	1	1	1	1	1	1	12	38
	MAX 24HR SNFL (IN)	6.0	6.0	3.3	3.6	#	0	#	0	0	.4	4.9	5.7	6.0	38
	MAX SNFL (IN)	8.4	17.8	5.5	3.6	#	0	#	0	0	.4	7.5	13.3	30.7	38
	MEAN SNFL (IN)	3.9	4.1	1.7	.1	0	0	#	0	0	#	2.5	4.1	18.4	38
	D/W SNFL GE .1 (IN)	4	3	1	1	0	0	0	0	0	#	1	3	13	38
	D/W SNFL GE 1.5 (IN)	1	1	1	#	0	0	0	0	0	0	1	1	5	38
	MAX DLY SNO DEPTH (IN)	8	12	6	#	0	0	0	0	0	0	4	6	12	38
	PRVING WND DIR (DEG)	\$20-22	\$20-22	\$20-22	\$20-22	\$20-22	\$20-22	\$23-25	\$23-25	\$20-22	\$20-22	\$20-22	\$20-22	\$20-22	10
	MEAN WND SPD (KTS)	5	5	5	5	4	4	4	3	4	4	4	5	4	10
	MAX WND SPD (KTS)	50	64	68	49	41	43	42	31	35	44	50	47	68	27
	SKY COVER GT 5/10 (%)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	D/W THUNDERSTORMS	1	1	1	2	4	5	4	4	2	1	#	1	26	38
	D/W FOG (VSBY LT 7 MI)	23	19	19	15	16	16	17	19	22	24	23	23	236	38
LEGEND: ANN = ANNUAL D/W = MEAN NUMBER OF DAYS WITH # = BASED ON LESS THAN FULL MONTHS ** = INSTANTANEOUS PEAK WINDS * = DATA NOT AVAILABLE POR/YOR = PERIOD/YEARS OF RECORD WCPA = WORST CASE MAXIMUM PRESSURE ALTITUDE # = LESS THAN 0.5 DAYS OR TRACE AS APPLICABLE \$ = PERCENTAGE OF CALM WINDS GREATER THAN OR EQUAL TO MEAN WIND DIRECTION															

		PERCENT OCCURRENCE FREQUENCY OF CEILING AND VISIBILITY													
MONTH		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YOR
CIG LT 3000 FT AND/OR VSBY LT 3 MI	LST														
	00 - 02	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	03 - 05	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	06 - 08	59.7	47.8	43.0	26.0	23.2	17.1	13.2	20.8	32.4	47.0	49.4	51.6	35.9	10
	09 - 11	56.6	43.9	37.7	24.3	16.6	14.2	6.9	11.2	20.1	39.0	42.7	48.1	30.1	10
	12 - 14	48.1	36.3	28.2	16.1	10.9	11.3	3.3	5.3	7.6	28.8	31.8	42.5	22.5	10
	15 - 17	43.1	31.6	19.8	11.3	7.3	8.2	2.1	3.1	5.2	16.2	30.3	41.1	18.3	10
	18 - 20	48.0	30.3	22.5	8.0	7.2	4.4	1.1	2.2	6.6	23.0	38.2	47.5	19.9	10
	21 - 23	46.2	30.7	27.1	12.5	9.8	6.6	3.2	5.7	7.6	25.1	38.4	50.3	21.9	10
	ALL	50.5	37.2	30.0	17.2	13.0	11.0	5.2	8.6	14.3	30.1	38.1	46.1	24.3	10
CIG LT 1500 FT AND/OR VSBY LT 3 MI	00 - 02	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	03 - 05	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	06 - 08	43.2	32.0	30.6	20.3	16.1	11.1	9.1	18.0	27.6	34.9	34.9	29.8	25.6	10
	09 - 11	38.6	32.3	25.1	13.1	5.7	5.7	3.6	7.0	14.2	26.4	33.0	31.7	19.7	10
	12 - 14	32.1	21.3	12.7	5.5	2.8	2.3	1.4	1.5	3.5	13.0	22.4	25.0	12.0	10
	15 - 17	27.8	17.1	7.9	4.1	2.4	2.0	.3	1.4	2.3	8.3	20.7	23.6	9.8	10
	18 - 20	31.9	20.8	14.0	3.9	2.6	1.5	.4	1.7	4.1	16.3	28.9	31.5	13.1	10
	21 - 23	32.0	21.1	20.3	8.1	7.0	4.2	2.9	5.4	5.2	19.8	30.6	32.2	15.7	10
	ALL	34.3	24.2	18.0	9.6	6.2	4.7	3.0	6.0	10.3	19.4	28.0	28.2	15.4	10
CIG LT 1000 FT AND/OR VSBY LT 2 MI	00 - 02	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	03 - 05	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	06 - 08	27.7	17.1	18.4	11.5	7.8	4.3	4.1	8.7	18.0	24.2	20.5	18.0	15.0	10
	09 - 11	25.3	15.2	12.7	6.2	1.9	2.5	1.6	3.4	5.8	15.8	20.3	17.0	10.6	10
	12 - 14	18.6	9.4	4.7	2.6	.6	.5	.9	.1	1.1	4.3	12.2	12.9	5.7	10
	15 - 17	17.5	7.9	2.6	1.5	1.1	.3	.3	.5	.8	2.2	11.8	11.9	4.9	10
	18 - 20	19.6	8.5	3.5	1.4	1.6	.0	.0	.6	1.9	4.1	17.9	14.8	6.2	10
	21 - 23	19.8	8.6	6.8	1.8	2.4	1.0	.0	1.0	3.4	6.2	17.8	18.1	7.2	10
	ALL	21.5	11.2	8.2	4.6	2.6	1.6	1.3	2.6	5.6	9.6	16.5	15.0	8.0	10
CIG LT 200 FT AND/OR VSBY LT 1/2 MI	00 - 02	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	03 - 05	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	06 - 08	2.8	1.9	1.9	3.1	2.2	.9	.6	3.3	5.1	10.4	6.3	3.9	3.5	10
	09 - 11	2.9	2.2	1.5	.3	.0	.0	.0	.1	1.5	3.2	6.9	3.7	1.9	10
	12 - 14	2.3	1.7	.3	.0	.0	.0	.0	.0	.2	.2	2.1	2.1	.7	10
	15 - 17	2.2	1.4	.0	.0	.0	.0	.0	.0	.0	.0	1.7	1.7	.6	10
	18 - 20	1.8	.2	.0	.0	.0	.0	.0	.0	.2	1.0	3.2	2.7	.8	10
	21 - 23	1.2	.0	.0	.0	.0	.0	.0	.0	.0	2.1	3.1	3.5	.8	10
	ALL	2.3	1.4	.7	.7	.4	.2	.1	.7	1.4	2.7	3.9	2.9	1.4	10

HURRICANES/TROPICAL STORMS OBSERVED : NONE

REMARKS : 0

DISTRIBUTION

7WS, CINCUSAREUR/AREAWX APO AE 09403-5000	1
Det 2, 7WS, Unit 20200, APO AE 09165-9816	1
USAFETAC/DOL (Technical Services), Scott AFB, IL 62225-5458	2
OL-A, USAFETAC, Federal Building, Asheville, NC 28801-2723	2
DTIC-FDAC, Cameron Station, Alexandria, VA 22304-6145	2
AWSTL, Scott AFB, IL 62225-5458	3

DIST

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTT	PPPPPPPP
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTT	PPPPPPPP
PP PP	AA AA	RR RR	TT	PP
PP PP	AA AA	RR RR	TT	PP
PPPPPPPP	AA AA	RRRRRRRR	TT	PPPPPP
PPPPPPPP	AAAAAAAA	RRRRRRRR	TT	PPPPPP
PP	AAAAAAAA	RR RR	TT	PP
PP	AA AA	RR RR	TT	PP
PP	AA AA	RR RR	TT	PP
PP	AA AA	RR RR	TT	PP

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PART F

PRESSURE SUMMARIES

ALL PRESSURE DATA IN PART F IS TAKEN FROM HOURLY OBSERVATIONS. IT IS SUMMARIZED:

- BY EIGHT 3-HOUR STANDARD SYNOPTIC REPORTING TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

SEA LEVEL PRESSURE.

IN MILLIBARS, TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS. THIS SUMMARY IS NOT AVAILABLE FOR METAR REPORTING SITES.

ALTIMETER SETTING.

IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS.

STATION PRESSURE.

IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNTS.

PRESSURE CONVERSIONS ARE: 1 MILLIBAR = 0.02953 INCHES OF MERCURY (HG).

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

ALTIMETER SETTING IN INCHES
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91

HOURLS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0100	MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
	TOT OBS	0	0	0	0	0	0	0	0	0	0	0	0	0
0400	MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
	TOT OBS	0	0	0	0	0	0	0	0	0	0	0	0	0
0700	MEAN	30.07	30.05	30.01	29.98	29.97	30.02	30.07	30.04	30.08	30.06	30.08	30.06	30.04
	SD	.360	.382	.313	.243	.229	.161	.143	.151	.207	.287	.292	.377	.272
	TOT OBS	193	180	201	217	208	219	214	223	219	211	191	183	2459
1000	MEAN	30.09	30.07	30.02	29.99	29.98	30.03	30.08	30.05	30.09	30.08	30.11	30.05	30.05
	SD	.369	.373	.311	.240	.227	.159	.142	.151	.208	.286	.295	.391	.278
	TOT OBS	215	198	222	222	216	216	210	223	218	210	193	207	2550
1300	MEAN	30.08	30.07	30.01	29.96	29.96	30.01	30.06	30.03	30.07	30.06	30.08	30.03	30.04
	SD	.369	.366	.310	.236	.222	.158	.138	.146	.205	.277	.298	.391	.274
	TOT OBS	214	199	219	218	210	214	212	226	220	207	193	202	2534
1600	MEAN	30.07	30.05	29.98	29.94	29.95	30.00	30.03	30.01	30.05	30.04	30.07	30.03	30.02
	SD	.367	.357	.310	.231	.214	.155	.138	.142	.201	.273	.292	.387	.271
	TOT OBS	214	198	217	207	212	214	212	222	208	208	191	193	2496
1900	MEAN	30.05	30.04	29.99	29.95	29.93	29.99	30.03	30.01	30.06	30.06	30.08	30.07	30.02
	SD	.359	.360	.310	.220	.206	.151	.127	.142	.204	.269	.296	.373	.265
	TOT OBS	155	165	158	165	160	153	182	172	158	177	165	113	1923
2200	MEAN	30.04	30.05	30.01	29.96	29.94	30.01	30.06	30.03	30.08	30.10	30.12	30.12	30.04
	SD	.352	.364	.312	.242	.199	.153	.127	.138	.203	.251	.304	.351	.260
	TOT OBS	119	140	103	128	132	138	170	134	138	134	119	80	1535
ALL HOURLS	MEAN	30.07	30.06	30.00	29.96	29.96	30.01	30.05	30.03	30.07	30.06	30.09	30.05	30.03
	SD	.364	.368	.312	.236	.219	.157	.137	.147	.205	.276	.296	.383	.271
	TOT OBS	1110	1080	1120	1157	1138	1154	1200	1200	1161	1147	1052	978	13497

OPERATING LOCATION "A"
USAFETAC, ASSEVILLE NC

STATION PRESSURE IN INCHES
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0100	MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
	TOT OBS	0	0	0	0	0	0	0	0	0	0	0	0	0
0400	MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
	TOT OBS	0	0	0	0	0	0	0	0	0	0	0	0	0
0700	MEAN	29.67	29.65	29.60	29.58	29.57	29.62	29.67	29.64	29.67	29.67	29.68	29.63	29.64
	SD	.361	.372	.313	.241	.227	.157	.141	.148	.208	.283	.298	.364	.269
	TOT OBS	194	178	190	216	208	218	214	224	231	212	187	188	2460
1000	MEAN	29.69	29.67	29.62	29.58	29.57	29.62	29.67	29.65	29.69	29.67	29.70	29.65	29.65
	SD	.365	.369	.308	.237	.225	.157	.140	.148	.207	.283	.291	.387	.274
	TOT OBS	215	198	222	222	216	216	210	224	218	209	193	207	2550
1300	MEAN	29.68	29.66	29.61	29.56	29.56	29.61	29.66	29.63	29.67	29.65	29.68	29.63	29.63
	SD	.365	.362	.307	.233	.220	.155	.136	.144	.203	.275	.295	.387	.271
	TOT OBS	214	199	219	218	210	214	212	226	220	207	193	202	2534
1600	MEAN	29.67	29.65	29.57	29.53	29.54	29.59	29.63	29.61	29.65	29.63	29.67	29.62	29.61
	SD	.363	.352	.307	.228	.212	.152	.136	.140	.199	.270	.289	.382	.268
	TOT OBS	214	198	217	207	212	214	212	222	208	208	192	192	2496
1900	MEAN	29.65	29.64	29.59	29.55	29.53	29.59	29.63	29.61	29.66	29.66	29.68	29.67	29.62
	SD	.355	.355	.306	.217	.205	.148	.125	.140	.201	.265	.293	.365	.261
	TOT OBS	155	185	158	165	160	153	182	172	158	178	164	113	1923
2200	MEAN	29.63	29.65	29.61	29.56	29.54	29.60	29.65	29.63	29.68	29.69	29.71	29.71	29.64
	SD	.348	.359	.308	.240	.197	.150	.124	.136	.200	.248	.300	.347	.257
	TOT OBS	119	140	103	128	132	138	170	134	138	134	119	80	1535
ALL HOURS	MEAN	29.67	29.65	29.60	29.56	29.55	29.61	29.65	29.63	29.67	29.66	29.69	29.64	29.63
	SD	.361	.362	.309	.234	.217	.154	.135	.144	.204	.273	.294	.377	.268
	TOT OBS	1111	1078	1109	1156	1138	1153	1200	1202	1173	1148	1048	982	13498

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PART G

CROSSWIND SUMMARY

CROSSWIND SUMMARIES.

THESE TABLES ARE CREATED FROM HOURLY AND SPECIAL OBSERVATIONS (INCLUDING PEAK GUST REMARKS). THE TABLES ARE SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY MONTH (ALL YEARS AND THE HOURS 0600-2000 LST COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND THE HOURS 0600-2000 LST COMBINED).

THE TABLES GIVE PERCENT OCCURRENCE FREQUENCY (POF) OF THE "CROSS-RUNWAY WIND COMPONENT" FOR THE WIND SPEED CLASSES SPECIFIED IN THE TABLE HEADINGS. THERE ARE TWO COMPONENT CATEGORIES:

THE FIRST COMPONENT IS COMPUTED FROM THE REPORTED WIND DIRECTION AND WIND SPEED FROM HOURLY RECORD OR RECORD-SPECIAL OBSERVATIONS.

THE SECOND COMPONENT IS COMPUTED FROM THE HIGHEST REPORTED WIND SPEED AND DIRECTION FROM ALL OBSERVATIONS INCLUDING REMARKS, GUSTS, AND SPECIAL OBSERVATIONS.

OBSERVATION COUNTS INCLUDE CALM WINDS.

VARIABLE WINDS ARE CONSIDERED A DIRECT CROSSWIND IF THE SPEED EQUALS OR EXCEEDS THE SPECIFIED THRESHOLD WIND SPEED VALUE(S).

A TOTAL OBSERVATION COUNT IS INCLUDED.

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 100-280

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JAN

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A				0				0	15.3	1.0	.2	509	19.7	.6	.3	644
CATEGORY B				0				0	18.2	7.0	1.8	598	21.6	5.9	1.8	760

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	24.5	2.2	.3	644	20.0	.8	.2	641	16.3	.7		454	15.0			247
CATEGORY B	26.7	7.7	2.2	731	22.6	4.1	1.1	726	18.9	3.3	.6	487	17.0	1.6	.8	253

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	19.5	1.1	.2	2892	19.2	1.0	.2	3139
CATEGORY B	21.9	5.7	1.6	3302	21.6	5.4	1.5	3555

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 100-280

STATION NUMBER: 106420 STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: FEB

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A				0				0	13.2	.4		452	16.2	2.2	.8	597
CATEGORY B				0				0	15.7	3.8	1.3	554	20.9	5.4	2.1	707

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	21.5	2.3	1.0	596	19.4	1.3		594	14.6	.6	.2	473	13.9	1.1	.7	280
CATEGORY B	27.6	8.6	3.7	710	24.2	7.0	1.7	609	18.7	4.8	.8	520	17.5	6.1	3.0	297

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	17.3	1.5	.4	2722	17.0	1.4	.5	3002
CATEGORY B	21.8	6.1	2.0	3190	21.5	6.1	2.1	3487

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 100-280

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAR

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A				0				0	12.0	.8		524	22.2	.7	.1	667
CATEGORY B				0				0	13.3	3.0	.7	596	24.0	6.3	1.7	746

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	29.1	1.8	.2	663	30.8	1.2		647	15.8	.2		457	9.7			236
CATEGORY B	34.1	10.2	2.6	735	34.6	7.2	1.9	696	16.3	3.6	.6	478	12.3	3.4		236

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	22.8	1.0	.1	2958	21.9	.9	.1	3194
CATEGORY B	25.5	6.4	1.6	3251	24.6	6.2	1.5	3487

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 100-280

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: APR

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A				0				0	6.5			645	15.6	.2		659
CATEGORY B				0				0	6.6	.5	.3	737	17.2	2.7	.3	740

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	19.6	.8		652	21.1	.3		611	11.1	.2		513	5.5			272
CATEGORY B	22.9	4.3	.4	719	22.6	3.6	.3	659	12.8	.9		537	5.7	.7		279

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	14.9	.3		3080	14.1	.3		3352
CATEGORY B	16.5	2.5	.3	3392	15.7	2.3	.2	3671

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 100-280

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAY

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A				0				0	6.1			628	14.6	.2		639
CATEGORY B				0				0	7.9	1.7		692	17.0	3.2	.1	693

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	19.0	.2		632	15.0			615	6.2			501	.3			286
CATEGORY B	24.3	3.5	.4	683	19.7	4.1	.6	681	8.1	1.3	.2	543	1.0			295

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	12.4	.1		3015	11.4	.1		3301
CATEGORY B	15.7	2.8	.3	3292	14.5	2.6	.3	3587

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 100-280

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUN

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A				0				0	3.4	.2		651	8.2			649
CATEGORY B				0				0	3.6	.7	.4	740	11.7	1.0	.3	720

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	13.8	.5		645	13.1	.5		610	4.6	.2		481	.7			288
CATEGORY B	19.7	3.2	.4	727	18.7	3.4	.6	668	6.1	.8		509	2.6	.3	.3	305

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	8.8	.3		3036	8.1	.2		3324
CATEGORY B	12.2	1.8	.4	3364	11.4	1.7	.4	3669

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 100-280

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUL

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A				0				0	3.1			639	7.5	.2		637
CATEGORY B				0				0	4.0	.3		695	10.6	1.3		680

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	13.8	.3		632	9.2	.2		633	4.7			571	3.4	.3		348
CATEGORY B	18.4	1.6		689	14.7	1.5	.4	675	6.5	.7		596	3.6	.8		359

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	7.7	.1		3112	7.3	.1		3460
CATEGORY B	10.9	1.1	.1	3335	10.2	1.1	.1	3694

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 100-280

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: AUG

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A				0				0	1.9	.1		667	6.7			671
CATEGORY B				0				0	2.5	.6	.3	770	8.9	.7		749

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	12.6	.1		674	10.6	.2		643	7.6	.2		538	2.0			299
CATEGORY B	15.6	1.4		731	14.2	1.7	.3	705	9.5	.7		582	2.6			312

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	7.9	.1		3193	7.4	.1		3492
CATEGORY B	10.0	1.0	.1	3537	9.4	.9	.1	3849

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 100-280

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: SEP

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A				0				0	4.2	.2		646	12.3	.2		653
CATEGORY B				0				0	6.4	.9		782	15.4	2.3	.7	740

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	19.4	.6		656	14.0			598	4.1	.2		484	3.8			290
CATEGORY B	23.2	4.1	.4	714	17.3	1.7		640	7.2	.6		514	5.9	.3		306

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	11.1	.2		3037	10.5	.2		3327
CATEGORY B	14.1	2.0	.2	3390	13.4	1.8	.2	3696

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 100-280

STATION NUMBER: 106420

STATION NAME: HAWAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: OCT

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A				0				0	6.6			530	15.0	.3	.2	628
CATEGORY B				0				0	8.0	2.3	.9	687	16.6	4.0	.8	751

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	18.3	1.1	.2	624	14.6	.6	.2	623	7.6			512	4.5			288
CATEGORY B	22.4	4.9	1.6	696	16.0	3.3	1.3	668	8.0	1.4	.4	561	6.7	1.7		299

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	12.8	.4	.1	2917	12.0	.4	.1	3205
CATEGORY B	14.5	3.3	1.0	3363	13.9	3.1	.9	3662

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 100-280

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: NOV

CATEGORY A: ANY CLOSING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A				0				0	6.5			479	10.7	.2		579
CATEGORY B				0				0	7.6	1.4	.3	590	12.5	1.6	.3	687

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	19.0	.5		579	11.3	.2		574	8.6	.4		477	8.5	.4		258
CATEGORY B	20.1	3.6	.8	666	13.5	2.7	.6	673	9.0	2.1	.4	534	8.5	1.1	1.1	272

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	11.5	.3		2688	11.2	.3		2946
CATEGORY B	12.8	2.3	.5	3150	12.5	2.2	.5	3422

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 100-280

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: DEC

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A				0				0	16.4	.2		483	16.8	.5	.2	620
CATEGORY B				0				0	19.5	3.8	1.7	584	18.1	5.0	1.3	747

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	21.4	.8		607	18.1	.9	.3	581	12.8	.6		337	14.0	1.2		171
CATEGORY B	23.0	6.4	1.3	708	20.5	4.9	1.2	688	14.7	4.8	2.9	374	13.6	4.0	2.3	177

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	17.5	.6	.1	2628	17.3	.6	.1	2799
CATEGORY B	19.6	5.0	1.5	3101	19.3	5.0	1.6	3278

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 100-280

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: ALL

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A				0				0	7.4	.2	.0	6863	13.8	.4	.1	7643
CATEGORY B				0				0	8.9	2.0	.6	8025	16.3	3.3	.8	8720

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	19.3	.9	.1	7604	16.5	.5	.1	7370	9.2	.3	.0	5798	6.3	.2	.1	3263
CATEGORY B	23.2	5.0	1.2	8509	19.9	3.8	.8	8178	11.1	2.0	.4	6235	7.6	1.5	.6	3390

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	13.6	.5	.1	35278	12.9	.5	.1	38541
CATEGORY B	16.2	3.3	.8	39667	15.5	3.2	.8	43057

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	HH	HH
PPPPPPPPPP	AAAAAAA	RRRRRRRRR	TTTTTTTTTTT	HH	HH
PP PP	AA AA	RR RR	TT	HH	HH
PP PP	AA AA	RR RR	TT	HH	HH
PPPPPPPPPP	AA AA	RRRRRRRRR	TT	HHHHHHHHHH	
PPPPPPPP	AAAAAAAAA	RRRRRRRRR	TT	HHHHHHHHHH	
PP	AAAAAAAAA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH

B - 1 - 1

PART H

DEGREE DAY SUMMARIES

DEGREE DAYS.

CREATED FROM HOURLY OBSERVATIONS (MAX+MIN/2 WHEN AVAILABLE), THESE TABLES GIVE THE NUMBER OF DEGREE DAYS FOR EACH MONTH IN EACH YEAR OF THE AVAILABLE PERIOD OF RECORD.

INCLUDED BENEATH EACH SUMMARY ARE STATISTICS BASED ON A 30-YEAR (1951-1980) FOR (IF AVAILABLE). THE 30-YEAR FOR PROVIDES AWS USERS WITH A SUMMARY CONSISTENT WITH OTHER STANDARD CLIMATIC PUBLICATIONS, NOTABLY THOSE OF THE NATIONAL CLIMATIC DATA CENTER (NCDC). NOTE THAT THE 30-YEAR FOR WILL CHANGE TO 1961-1990 AS SOON AS DATA FOR DECEMBER 1990 HAS BEEN PROCESSED.

MONTHS WITH NO AVAILABLE DATA AND MONTHS WITH A VALUE OF ZERO APPEAR AS BLANKS IN THESE TABLES. ASTERISKS (****) DENOTE AN INCOMPLETE MONTH WITH A DAY (OR DAYS) THAT CANNOT BE CALCULATED (FILLED IN) AUTOMATICALLY.

HEATING DEGREE DAYS.

ONE "HEATING DEGREE DAY" IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE MEAN TEMPERATURE FALLS BELOW A DESIGNATED "BASE TEMPERATURE" OF 65 DEGREES* FAHRENHEIT. FOR EXAMPLE, IF THE MEAN TEMPERATURE ON A GIVEN DAY IS 57 DEGREES, THAT DAY IS SAID TO HAVE 8 HEATING DEGREE DAYS.

COOLING DEGREE DAYS.

ONE "COOLING DEGREE DAY" IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE TEMPERATURE RISES ABOVE A DESIGNATED "BASE TEMPERATURE" OF 65 DEGREES* FAHRENHEIT. FOR EXAMPLE, IF THE MEAN TEMPERATURE FOR A GIVEN DAY IS 73 DEGREES, THAT DAY IS SAID TO HAVE 8 COOLING DEGREE DAYS.

*65 DEGREES FAHRENHEIT HAS BEEN SELECTED AS THE NATIONWIDE STANDARD "BASE TEMPERATURE" AT WHICH (AT LEAST THEORETICALLY) NO HEATING OR COOLING IS REQUIRED. IF ANOTHER BASE TEMPERATURE IS USED IN THESE TABLES, IT WAS SPECIALLY REQUESTED BY THE STATION, AND IS NOTED.

NOTE 1. THESE SUMMARIES ARE NOT AVAILABLE FOR PART TIME PERIODS.

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

HEATING DEGREE DAYS
FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 65

STATION NUMBER: 106420 STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 65 - DEC 75

YEARS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
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MEAN

SD

B - 2 - 1

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

COOLING DEGREE DAYS
FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 65

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 65 - DEC 75

YEARS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
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MEAN

SD

B - 3 - 1

A W S CLIMATIC BRIEF MAR 92	STATION NAME: HANAU AAF DL	FIELD ELEV: 368 FT
	LATITUDE/LONGITUDE: 50 10 N 008 58 E	STATION MSC: 106420
	HOURLY OBS FOR: APR 81 - MAR 91	CALL SIGN: EDID
	SUMMARY OF DAY FOR: FEB 46-AUG 46, APR 56-APR 56, OCT 56-FEB 91	
	HOURS SUMMARIZED: 0600 - 2200 LST	SUPERSEDES: JUN 87
	LST TO UTC: -01	

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YOR
EXTRM MAX TEMP (F)	57	66	79	87	93	95	98	98	89	81	69	61	98	36
MEAN MAX TEMP (F)	38	42	50	58	66	72	75	75	68	58	46	40	58	36
MEAN TEMP (F)	34	37	43	50	58	63	66	66	60	51	42	37	51	36
MEAN MIN TEMP (F)	30	32	36	41	49	54	57	56	51	44	38	33	44	36
EXTRM MIN TEMP (F)	-5	0	9	23	32	38	40	37	34	27	15	0	-5	36
D/W TEMP GE 80 (F)	0	0	0	1	2	6	10	8	2	#	0	0	29	36
D/W TEMP GE 70 (F)	0	0	1	4	12	17	22	22	13	3	0	0	94	36
D/W TEMP LT 33 (F)	16	14	9	2	#	0	0	0	0	1	7	14	63	36
D/W TEMP LT 20 (F)	5	2	1	0	0	0	0	0	0	0	1	3	12	36
HEATING DEGREE DAYS	0	0	0	0	0	0	0	0	0	0	0	0	0	11
COOLING DEGREE DAYS	0	0	0	0	0	0	0	0	0	0	0	0	0	11
MEAN DEWPOINT TEMP (F)	31	29	36	40	47	52	56	56	52	47	38	34	44	10
MEAN WET BULB TEMP (F)	34	33	40	46	53	58	61	61	56	50	40	36	48	10
99.95% WCPA (FT)	1350	1350	1250	1050	1000	750	650	700	850	1100	1100	1400	1100	10
MEAN REL HUM 07 LST(%)	89.1	84.4	85.5	82.7	80.8	80.0	81.9	84.9	89.2	91.2	89.8	90.7	85.5	10
MEAN REL HUM 13 LST(%)	81.6	73.4	69.0	61.3	58.3	59.4	58.1	58.6	64.7	73.0	79.0	83.8	68.1	10
MAX 24HR PRECIP (IN)	1.21	1.12	1.07	1.94	1.51	2.22	2.14	1.36	1.88	2.30	1.81	1.70	2.30	38
MAX PRECIP (IN)	3.82	4.28	4.15	4.21	6.56	5.10	5.94	5.32	4.19	6.28	4.25	5.54	36.76	38
MEAN PRECIP (IN)	1.52	1.48	1.45	1.87	2.01	2.80	2.15	2.28	1.97	1.45	2.13	2.07	25.74	38
MIN PRECIP (IN)	.49	.27	.35	.23	.64	.54	.30	.04	.44	.20	.83	.45	16.52	38
D/W PRECIP GE .01 (IN)	14	10	12	11	12	13	11	12	10	10	12	13	140	38
D/W PRECIP GT .50 (IN)	1	1	1	1	1	1	1	1	1	1	1	1	12	38
MAX 24HR SNFL (IN)	6.0	6.0	3.3	3.6	#	0	#	0	0	.4	4.9	5.7	6.0	38
MAX SNFL (IN)	8.4	17.8	5.5	3.6	#	0	#	0	0	.4	7.5	13.3	30.7	38
MEAN SNFL (IN)	3.9	4.1	1.7	.1	0	0	#	0	0	#	2.5	4.1	18.4	38
D/W SNFL GE .1 (IN)	4	3	1	1	0	0	0	0	0	#	1	3	13	38
D/W SNFL GE 1.5 (IN)	1	1	1	#	0	0	0	0	0	0	1	1	5	38
MAX DLY SNO DEPTH (IN)	8	12	6	#	0	0	0	0	0	0	4	6	12	38
PRVING WND DIR (DEG)	\$20-22	\$20-22	\$20-22	\$20-22	\$20-22	\$20-22	\$23-25	\$23-25	\$20-22	\$20-22	\$20-22	\$20-22	\$20-22	10
MEAN WND SPD (KTS)	5	5	5	5	4	4	#	3	4	4	4	5	4	10
MAX WND SPD (KTS)	50	64	68	49	41	43	42	31	35	44	50	47	68	27
SKY COVER GT 5/10 (%)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
D/W THUNDERSTORMS	1	1	1	2	4	5	4	4	2	1	#	1	26	38
D/W FOG (VSBY LT 7 MI)	23	19	19	15	16	16	17	19	22	24	23	23	236	38

LEGEND: ANN - ANNUAL

D/W - MEAN NUMBER OF DAYS WITH

* - BASED ON LESS THAN FULL MONTHS

** - INSTANTANEOUS PEAK WINDS

- DATA NOT AVAILABLE

POR/YOR - PERIOD/YEARS OF RECORD

WCPA - WORST CASE MAXIMUM PRESSURE ALTITUDE

- LESS THAN 0.5 DAYS OR TRACE AS APPLICABLE

\$ - PERCENTAGE OF CALM WINDS GREATER THAN OR EQUAL TO MEAN WIND DIRECTION

		PERCENT OCCURRENCE FREQUENCY OF CEILING AND VISIBILITY													
MONTH		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YOR
CIG LT 3000 FT AND/OR VSBY LT 3 MI	LST														
	00 - 02	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	03 - 05	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	06 - 08	59.7	47.8	43.0	26.0	23.2	17.1	13.2	20.8	32.4	47.0	49.4	51.6	35.9	10
	09 - 11	56.6	43.9	37.7	24.3	16.6	14.2	6.9	11.2	20.1	39.0	42.7	48.1	30.1	10
	12 - 14	48.1	36.3	28.2	16.1	10.9	11.3	3.3	5.3	7.6	28.8	31.8	42.5	22.5	10
	15 - 17	43.1	31.6	19.8	11.3	7.3	8.2	2.1	3.1	5.2	16.2	30.3	41.1	18.3	10
	18 - 20	48.0	30.3	22.5	8.0	7.2	4.4	1.1	2.2	6.6	23.0	38.2	47.5	19.9	10
	21 - 23	46.2	30.7	27.1	12.5	9.8	6.6	3.2	5.7	7.6	25.1	38.4	50.3	21.9	10
	ALL	50.5	37.2	30.0	17.2	13.0	11.0	5.2	8.6	14.3	30.1	38.1	46.1	24.3	10
CIG LT 1500 FT AND/OR VSBY LT 3 MI	00 - 02	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	03 - 05	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	06 - 08	43.2	32.0	30.6	20.3	16.1	11.1	9.1	18.0	27.6	34.9	34.9	29.8	25.6	10
	09 - 11	38.6	32.3	25.1	13.1	5.7	5.7	3.6	7.0	14.2	26.4	33.0	31.7	19.7	10
	12 - 14	32.1	21.3	12.7	5.5	2.8	2.3	1.4	1.5	3.5	13.0	22.4	25.0	12.0	10
	15 - 17	27.8	17.1	7.9	4.1	2.4	2.0	.3	1.4	2.3	8.3	20.7	23.6	9.8	10
	18 - 20	31.9	20.8	14.0	3.9	2.6	1.5	.4	1.7	4.1	16.0	28.9	31.5	13.1	10
	21 - 23	32.0	21.1	20.3	8.1	7.0	4.2	2.9	5.4	5.2	19.8	30.6	32.2	15.7	10
	ALL	34.3	24.2	18.0	9.6	6.2	4.7	3.0	6.0	10.3	19.4	28.0	28.2	15.4	10
CIG LT 1000 FT AND/OR VSBY LT 2 MI	00 - 02	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	03 - 05	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	06 - 08	27.7	17.1	18.4	11.5	7.8	4.3	4.1	8.7	18.0	24.2	20.5	18.0	15.0	10
	09 - 11	25.3	15.2	12.7	6.2	1.9	2.5	1.6	3.4	5.8	15.8	20.3	17.0	10.6	10
	12 - 14	18.6	9.4	4.7	2.6	.6	.5	.9	.1	1.1	4.3	12.2	12.9	5.7	10
	15 - 17	17.5	7.9	2.6	1.5	1.1	.3	.3	.5	.8	2.2	11.8	11.9	4.9	10
	18 - 20	19.6	8.5	3.5	1.4	1.6	.0	.0	.6	1.9	4.1	17.9	14.8	6.2	10
	21 - 23	19.8	8.6	6.8	1.8	2.4	1.0	.0	1.0	3.4	6.2	17.8	18.1	7.2	10
	ALL	21.5	11.2	8.2	4.6	2.6	1.6	1.3	2.6	5.6	9.6	16.5	15.0	8.0	10
CIG LT 200 FT AND/OR VSBY LT 1/2 MI	00 - 02	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	03 - 05	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	06 - 08	2.8	1.9	1.9	3.1	2.2	.9	.6	3.3	5.1	10.4	6.3	3.9	3.5	10
	09 - 11	2.9	2.2	1.5	.3	.0	.0	.0	.1	1.5	3.2	6.9	3.7	1.9	10
	12 - 14	2.3	1.7	.3	.0	.0	.0	.0	.0	.2	.2	2.1	2.1	.7	10
	15 - 17	2.2	1.4	.0	.0	.0	.0	.0	.0	.0	.0	1.7	1.7	.6	10
	18 - 20	1.8	.2	.0	.0	.0	.0	.0	.0	.2	1.0	3.2	2.7	.8	10
	21 - 23	1.2	.0	.0	.0	.0	.0	.0	.0	.0	2.1	3.1	3.5	.8	10
	ALL	2.3	1.4	.7	.7	.4	.2	.1	.7	1.4	2.7	3.9	2.9	1.4	10
HURRICANES/TROPICAL STORMS OBSERVED : NONE															
REMARKS : 0															

DISTRIBUTION

7WS, CINCUSAREUR/AREAWX APO AE 09403-5000	1
Det 2, 7WS, Unit 20200, APO AE 09165-9816	1
USAFETAC/DOL (Technical Services), Scott AFB, IL 62225-5458	2
OL-A, USAFETAC, Federal Building, Asheville, NC 28801-2723	2
DTIC-FDAC, Cameron Station, Alexandria, VA 22304-6145	2
AWSTL, Scott AFB, IL 62225-5458	3

DIST

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTT	PPPPPPPPPP
PPPPPPPP	AAAAAAA	RRRRRRRRR	TTTTTTTTT	PPPPPPPPPP
PP PP	AA AA	RR RR	TT	PP
PP PP	AA AA	RR RR	TT	PP
PPPPPPPP	AA AA	RRRRRRRRR	TT	PPPPPP
PPPPPPPP	AAAAAAAA	RRRRRRRR	TT	PPPPPP
PP	AAAAAAAAA	RR RR	TT	PP
PP	AA AA	RR RR	TT	PP
PP	AA AA	RR RR	TT	PP
PP	AA AA	RR RR	TT	PP

F - 1 - 1

PART F

PRESSURE SUMMARIES

ALL PRESSURE DATA IN PART F IS TAKEN FROM HOURLY OBSERVATIONS. IT IS SUMMARIZED:

- BY EIGHT 3-HOUR STANDARD SYNOPTIC REPORTING TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).**
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).**
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).**

SEA LEVEL PRESSURE.

IN MILLIBARS, TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS. THIS SUMMARY IS NOT AVAILABLE FOR METAR REPORTING SITES.

ALTIMETER SETTING.

IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS.

STATION PRESSURE.

IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNTS.

PRESSURE CONVERSIONS ARE: 1 MILLIBAR = 0.02953 INCHES OF MERCURY (HG).

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

ALTIMETER SETTING IN INCHES
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91

HOURLS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0100	MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
	TOT OBS	0	0	0	0	0	0	0	0	0	0	0	0	0
0400	MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
	TOT OBS	0	0	0	0	0	0	0	0	0	0	0	0	0
0700	MEAN	30.07	30.05	30.01	29.98	29.97	30.02	30.07	30.04	30.08	30.06	30.08	30.06	30.04
	SD	.360	.382	.313	.243	.229	.161	.143	.151	.207	.287	.292	.377	.272
	TOT OBS	193	180	201	217	208	219	214	223	219	211	191	183	2459
1000	MEAN	30.09	30.07	30.02	29.99	29.98	30.03	30.08	30.05	30.09	30.08	30.11	30.05	30.05
	SD	.369	.373	.311	.240	.227	.159	.142	.151	.208	.286	.295	.391	.278
	TOT OBS	215	198	222	222	216	216	210	223	218	210	193	207	2550
1300	MEAN	30.08	30.07	30.01	29.96	29.96	30.01	30.06	30.03	30.07	30.06	30.08	30.03	30.04
	SD	.369	.366	.310	.236	.222	.158	.138	.146	.205	.277	.298	.391	.274
	TOT OBS	214	199	219	218	210	214	212	226	220	207	193	202	2534
1600	MEAN	30.07	30.05	29.98	29.94	29.95	30.00	30.03	30.01	30.05	30.04	30.07	30.03	30.02
	SD	.367	.357	.310	.231	.214	.155	.138	.142	.201	.273	.292	.387	.271
	TOT OBS	214	198	217	207	212	214	212	222	208	208	191	193	2496
1900	MEAN	30.05	30.04	29.99	29.95	29.93	29.99	30.03	30.01	30.06	30.06	30.08	30.07	30.02
	SD	.359	.360	.310	.220	.206	.151	.127	.142	.204	.269	.296	.373	.265
	TOT OBS	155	165	158	165	160	153	182	172	158	177	165	113	1923
2200	MEAN	30.04	30.05	30.01	29.96	29.94	30.01	30.06	30.03	30.08	30.10	30.12	30.12	30.04
	SD	.352	.364	.312	.242	.199	.153	.127	.138	.203	.251	.304	.351	.260
	TOT OBS	119	140	103	128	132	138	170	134	138	134	119	80	1535
ALL SOURCE	MEAN	30.07	30.06	30.00	29.96	29.96	30.01	30.05	30.03	30.07	30.06	30.09	30.05	30.03
	SD	.364	.368	.312	.236	.219	.157	.137	.147	.205	.276	.296	.383	.271
	TOT OBS	1110	1080	1120	1157	1138	1154	1200	1200	1161	1147	1052	978	13497

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

STATION PRESSURE IN INCHES
FROM HOURLY OBSERVATIONS

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91

HOURLS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0100	MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
	TOT OBS	0	0	0	0	0	0	0	0	0	0	0	0	0
0400	MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
	TOT OBS	0	0	0	0	0	0	0	0	0	0	0	0	0
0700	MEAN	29.67	29.65	29.60	29.58	29.57	29.62	29.67	29.64	29.67	29.67	29.68	29.63	29.64
	SD	.361	.372	.313	.241	.227	.157	.141	.148	.208	.283	.298	.364	.269
	TOT OBS	194	178	190	216	208	218	214	224	231	212	187	188	2460
1000	MEAN	29.69	29.67	29.62	29.58	29.57	29.62	29.67	29.65	29.69	29.67	29.70	29.65	29.65
	SD	.365	.369	.308	.237	.225	.157	.140	.148	.207	.283	.291	.387	.274
	TOT OBS	215	198	222	222	216	216	210	224	218	209	193	207	2550
1300	MEAN	29.68	29.66	29.61	29.56	29.56	29.61	29.66	29.63	29.67	29.65	29.68	29.63	29.63
	SD	.365	.362	.307	.233	.220	.155	.136	.144	.203	.275	.295	.387	.271
	TOT OBS	214	199	219	218	210	214	212	226	220	207	193	202	2534
1600	MEAN	29.67	29.65	29.57	29.53	29.54	29.59	29.63	29.61	29.65	29.63	29.67	29.62	29.61
	SD	.363	.352	.307	.228	.212	.152	.136	.140	.199	.270	.289	.382	.268
	TOT OBS	214	198	217	207	212	214	212	222	208	208	192	192	2496
1900	MEAN	29.65	29.64	29.59	29.55	29.53	29.59	29.63	29.61	29.66	29.66	29.68	29.67	29.62
	SD	.355	.355	.306	.217	.205	.148	.125	.140	.201	.265	.293	.365	.261
	TOT OBS	155	165	158	165	160	153	182	172	158	178	164	113	1923
2200	MEAN	29.63	29.65	29.61	29.56	29.54	29.60	29.65	29.63	29.68	29.69	29.71	29.71	29.64
	SD	.348	.359	.308	.240	.197	.150	.124	.136	.200	.248	.300	.347	.257
	TOT OBS	119	140	103	128	132	138	170	134	138	134	119	80	1535
ALL HOURS	MEAN	29.67	29.65	29.60	29.56	29.55	29.61	29.65	29.63	29.67	29.66	29.69	29.64	29.63
	SD	.361	.362	.309	.234	.217	.154	.135	.144	.204	.273	.294	.377	.268
	TOT OBS	1111	1078	1109	1156	1138	1153	1200	1202	1173	1148	1048	982	13498

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTT	GGGGGG
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	GGGGGGG
PP PP	AA AA	RR RR	TT	GG GG
PP PP	AA AA	RR RR	TT	GG
PPPPPPPP	AA AA	RRRRRRRR	TT	GG
PPPPPPPP	AAAAAAAAA	RRRRRRRR	TT	GG GGG
PP	AAAAAAAAA	RR RR	TT	GG GGGG
PP	AA AA	RR RR	TT	GG GG
PP	AA AA	RR RR	TT	GGGGGGG
PP	AA AA	RR RR	TT	GGGGGG

G - 1 - 1

PART G

CROSSWIND SUMMARY

CROSSWIND SUMMARIES.

THESE TABLES ARE CREATED FROM HOURLY AND SPECIAL OBSERVATIONS (INCLUDING PEAK GUST REMARKS). THE TABLES ARE SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY MONTH (ALL YEARS AND THE HOURS 0600-2000 LST COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND THE HOURS 0600-2000 LST COMBINED).

THE TABLES GIVE PERCENT OCCURRENCE FREQUENCY (POF) OF THE "CROSS-RUNWAY WIND COMPONENT" FOR THE WIND SPEED CLASSES SPECIFIED IN THE TABLE HEADINGS. THERE ARE TWO COMPONENT CATEGORIES:

THE FIRST COMPONENT IS COMPUTED FROM THE REPORTED WIND DIRECTION AND WIND SPEED FROM HOURLY RECORD OR RECORD-SPECIAL OBSERVATIONS.

THE SECOND COMPONENT IS COMPUTED FROM THE HIGHEST REPORTED WIND SPEED AND DIRECTION FROM ALL OBSERVATIONS INCLUDING REMARKS, GUSTS, AND SPECIAL OBSERVATIONS.

OBSERVATION COUNTS INCLUDE CALM WINDS.

VARIABLE WINDS ARE CONSIDERED A DIRECT CROSSWIND IF THE SPEED EQUALS OR EXCEEDS THE SPECIFIED THRESHOLD WIND SPEED VALUE(S).

A TOTAL OBSERVATION COUNT IS INCLUDED.

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 100-280

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JAN

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A				0				0	15.3	1.0	.2	509	19.7	.6	.3	644
CATEGORY B				0				0	18.2	7.0	1.8	598	21.6	5.9	1.8	760

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	24.5	2.2	.3	644	20.0	.8	.2	641	16.3	.7		454	15.0			247
CATEGORY B	26.7	7.7	2.2	731	22.6	4.1	1.1	726	18.9	3.3	.6	487	17.0	1.6	.8	253

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	19.5	1.1	.2	2892	19.2	1.0	.2	3139
CATEGORY B	21.9	5.7	1.6	3302	21.6	5.4	1.5	3555

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 100-280

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: FEB

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A				0				0	13.2	.4		462	16.2	2.2	.8	597
CATEGORY B				0				0	15.7	3.8	1.3	554	20.9	5.4	2.1	707

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	21.5	2.3	1.0	596	19.4	1.3		594	14.6	.6	.2	473	13.9	1.1	.7	280
CATEGORY B	27.6	8.6	3.7	710	24.2	7.0	1.7	699	18.7	4.8	.8	520	17.5	6.1	3.0	297

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	17.3	1.5	.4	2722	17.0	1.4	.5	3002
CATEGORY B	21.8	6.1	2.0	3190	21.5	6.1	2.1	3487

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 100-280

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAR

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (BOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A				0				0	12.0	.8		524	22.2	.7	.1	667
CATEGORY B				0				0	13.3	3.0	.7	596	24.0	6.3	1.7	746

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	29.1	1.8	.2	663	30.8	1.2		647	15.8	.2		457	9.7			236
CATEGORY B	34.1	10.2	2.6	735	34.6	7.2	1.9	696	16.3	3.6	.6	478	12.3	3.4		236

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	22.8	1.0	.1	2958	21.9	.9	.1	3194
CATEGORY B	25.5	6.4	1.6	3251	24.6	6.2	1.5	3487

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 100-280

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL

PERIOD OF RECORD: APR 81 - MAR 91

LST TO UTC: - 1

MONTH: APR

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (BOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A				0				0	6.5			645	15.6	.2		659
CATEGORY B				0				0	6.6	.5	.3	737	17.2	2.7	.3	740

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	19.6	.8		652	21.1	.3		611	11.1	.2		513	5.5			272
CATEGORY B	22.9	4.3	.4	719	22.6	3.6	.3	659	12.8	.9		537	5.7	.7		279

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	14.9	.3		3080	14.1	.3		3352
CATEGORY B	16.5	2.5	.3	3392	15.7	2.3	.2	3671

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 100-280

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: MAY

CATEGORY A: ANY CHILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A				0				0	6.1			628	14.6	.2		639
CATEGORY B				0				0	7.9	1.7		692	17.0	3.2	.1	693

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	19.0	.2		632	15.0			615	6.2			501	.3			286
CATEGORY B	24.3	3.5	.4	683	19.7	4.1	.6	681	8.1	1.3	.2	543	1.0			295

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	12.4	.1		3015	11.4	.1		3301
CATEGORY B	15.7	2.8	.3	3292	14.5	2.6	.3	3587

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 100-280

STATION NUMBER: 106420

STATION NAME: HAWAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUN

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A				0				0	3.4	.2		651	8.2			649
CATEGORY B				0				0	3.6	.7	.4	740	11.7	1.0	.3	720

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	13.8	.5		645	13.1	.5		610	4.6	.2		481	.7			288
CATEGORY B	19.7	3.2	.4	727	18.7	3.4	.6	668	6.1	.8		509	2.6	.3	.3	305

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	8.8	.3		3036	8.1	.2		3324
CATEGORY B	12.2	1.8	.4	3364	11.4	1.7	.4	3669

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 100-280

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: JUL

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A				0				0	3.1			639	7.5	.2		637
CATEGORY B				0				0	4.0	.3		695	10.6	1.3		680

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	13.8	.3		632	9.2	.2		633	4.7			571	3.4	.3		348
CATEGORY B	18.4	1.6		689	14.7	1.5	.4	675	6.5	.7		596	3.6	.8		359

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	7.7	.1		3112	7.3	.1		3460
CATEGORY B	10.9	1.1	.1	3335	10.2	1.1	.1	3694

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 100-280

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: AUG

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A				0				0	1.9	.1		667	6.7			671
CATEGORY B				0				0	2.5	.6	.3	770	8.9	.7		749

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	12.6	.1		674	10.6	.2		643	7.6	.2		538	2.0			299
CATEGORY B	15.6	1.4		731	14.2	1.7	.3	705	9.5	.7		582	2.6			312

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	7.9	.1		3193	7.4	.1		3492
CATEGORY B	10.0	1.0	.1	3537	9.4	.9	.1	3849

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 100-280

STATION NUMBER: 106420

STATION NAME: RANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: SEP

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A				0				0	4.2	.2		646	12.3	.2		653
CATEGORY B				0				0	6.4	.9		782	15.4	2.3	.7	740

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	19.4	.6		656	14.0			598	4.1	.2		484	3.8			290
CATEGORY B	23.2	4.1	.4	714	17.3	1.7		640	7.2	.6		514	5.9	.3		306

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	11.1	.2		3037	10.5	.2		3327
CATEGORY B	14.1	2.0	.2	3390	13.4	1.8	.2	3696

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 100-280

STATION NUMBER: 106420 STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: OCT

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A				0				0	6.6			530	15.0	.3	.2	628
CATEGORY B				0				0	8.0	2.3	.9	687	16.6	4.0	.8	751

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	18.3	1.1	.2	624	14.6	.6	.2	623	7.6			512	4.5			288
CATEGORY B	22.4	4.9	1.6	696	16.0	3.3	1.3	668	8.0	1.4	.4	561	6.7	1.7		299

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	12.8	.4	.1	2917	12.0	.4	.1	3205
CATEGORY B	14.5	3.3	1.0	3363	13.9	3.1	.9	3662

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 100-280

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: NOV

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A				0				0	6.5			479	10.7	.2		579
CATEGORY B				0				0	7.6	1.4	.3	590	12.5	1.6	.3	687

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	19.0	.5		579	11.3	.2		574	8.6	.4		477	8.5	.4		258
CATEGORY B	20.1	3.6	.8	666	13.5	2.7	.6	673	9.0	2.1	.4	534	8.5	1.1	1.1	272

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	11.5	.3		2688	11.2	.3		2946
CATEGORY B	12.8	2.3	.5	3150	12.5	2.2	.5	3422

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 100-280

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: DEC

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A				0				0	16.4	.2		483	16.8	.5	.2	620
CATEGORY B				0				0	19.5	3.8	1.7	584	18.1	5.0	1.3	747

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	21.4	.8		607	18.1	.9	.3	581	12.8	.6		337	14.0	1.2		171
CATEGORY B	23.0	6.4	1.3	708	20.5	4.9	1.2	688	14.7	4.8	2.9	374	13.6	4.0	2.3	177

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	17.5	.6	.1	2628	17.3	.6	.1	2799
CATEGORY B	19.6	5.0	1.5	3101	19.3	5.0	1.6	3278

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 100-280

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: APR 81 - MAR 91
MONTH: ALL

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A				0				0	7.4	.2	.0	6863	13.8	.4	.1	7643
CATEGORY B				0				0	8.9	2.0	.6	8025	16.3	3.3	.8	8720

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	19.3	.9	.1	7604	16.5	.5	.1	7370	9.2	.3	.0	5798	6.3	.2	.1	3263
CATEGORY B	23.2	5.0	1.2	8509	19.9	3.8	.8	8178	11.1	2.0	.4	6235	7.6	1.5	.6	3390

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE 8	GE15	GE20	OBS	GE 8	GE15	GE20	OBS
CATEGORY A	13.6	.5	.1	35278	12.9	.5	.1	38541
CATEGORY B	16.2	3.3	.8	39667	15.5	3.2	.8	43057

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTT	HH	HH
PPPPPPPP	AAAAAAAA	RRRRRRRR	TTTTTTTTT	HH	HH
PP PP	AA AA	RR RR	TT	HH	HH
PP PP	AA AA	RR RR	TT	HH	HH
PPPPPPPP	AA AA	RRRRRRRR	TT	HHHHHHHH	HHHHHHHH
PPPPPPPP	AAAAAAAAAA	RRRRRRRR	TT	HHHHHHHH	HHHHHHHH
PP	AAAAAAAAAA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH

H - 1 - 1

PART B

DEGREE DAY SUMMARIES

DEGREE DAYS.

CREATED FROM HOURLY OBSERVATIONS (MAX+MIN/2 WHEN AVAILABLE), THESE TABLES GIVE THE THE NUMBER OF DEGREE DAYS FOR EACH MONTH IN EACH YEAR OF THE AVAILABLE PERIOD OF RECORD.

INCLUDED BENEATH EACH SUMMARY ARE STATISTICS BASED ON A 30-YEAR (1951-1980) FOR (IF AVAILABLE). THE 30-YEAR FOR PROVIDES AWS USERS WITH A SUMMARY CONSISTENT WITH OTHER STANDARD CLIMATIC PUBLICATIONS, NOTABLY THOSE OF THE NATIONAL CLIMATIC DATA CENTER (NCDC). NOTE THAT THE 30-YEAR FOR WILL CHANGE TO 1961-1990 AS SOON AS DATA FOR DECEMBER 1990 HAS BEEN PROCESSED.

MONTHS WITH NO AVAILABLE DATA AND MONTHS WITH A VALUE OF ZERO APPEAR AS BLANKS IN THESE TABLES. ASTERISKS (****) DENOTE AN INCOMPLETE MONTH WITH A DAY (OR DAYS) THAT CANNOT BE CALCULATED (FILLED IN) AUTOMATICALLY.

HEATING DEGREE DAYS.

ONE "HEATING DEGREE DAY" IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE MEAN TEMPERATURE FALLS BELOW A DESIGNATED "BASE TEMPERATURE" OF 65 DEGREES* FAHRENHEIT. FOR EXAMPLE, IF THE MEAN TEMPERATURE ON A GIVEN DAY IS 57 DEGREES, THAT DAY IS SAID TO HAVE 8 HEATING DEGREE DAYS.

COOLING DEGREE DAYS.

ONE "COOLING DEGREE DAY" IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE TEMPERATURE RISES ABOVE A DESIGNATED "BASE TEMPERATURE" OF 65 DEGREES* FAHRENHEIT. FOR EXAMPLE, IF THE MEAN TEMPERATURE FOR A GIVEN DAY IS 73 DEGREES, THAT DAY IS SAID TO HAVE 8 COOLING DEGREE DAYS.

*65 DEGREES FAHRENHEIT HAS BEEN SELECTED AS THE NATIONWIDE STANDARD "BASE TEMPERATURE" AT WHICH (AT LEAST THEORETICALLY) NO HEATING OR COOLING IS REQUIRED. IF ANOTHER BASE TEMPERATURE IS USED IN THESE TABLES, IT WAS SPECIALLY REQUESTED BY THE STATION, AND IS NOTED.

NOTE 1. THESE SUMMARIES ARE NOT AVAILABLE FOR PART TIME PERIODS.

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

HEATING DEGREE DAYS
FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 65

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 65 - DEC 75

.....
YEARS | JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC ANN
.....

.....
MEAN |

SD |

H - 2 - 1

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

COOLING DEGREE DAYS
FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 65

STATION NUMBER: 106420

STATION NAME: HANAU AAF DL
LST TO UTC: - 1

PERIOD OF RECORD: OCT 65 - DEC 75

YEARS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
-------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

MEAN

SD

H - 3 - 1

A W S
CLIMATIC BRIEF

MAR 92

STATION NAME: HANAU AAF DL
LATITUDE/LONGITUDE: 50 10 N 008 58 E
HOURLY OBS POR: APR 81 - MAR 91
SUMMARY OF DAY POR: FEB 46-AUG 46, APR 56-APR 56, OCT 56-FEB 91
HOURS SUMMARIZED: 0600 - 2200 LST
LST TO UTC: -01

FIELD ELEV: 368 FT
STATION MSC: 106420
CALL SIGN: EDID

SUPERSEDES: JUN 87

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YOR
EXTN MAX TEMP (F)	57	66	79	87	93	95	98	98	89	81	69	61	98	36
MEAN MAX TEMP (F)	38	42	50	58	66	72	75	75	68	58	46	40	58	36
MEAN TEMP (F)	34	37	43	50	58	63	66	66	60	51	42	37	51	36
MEAN MIN TEMP (F)	30	32	36	41	49	54	57	56	51	44	38	33	44	36
EXTN MIN TEMP (F)	-5	0	9	23	32	38	40	37	34	27	15	0	-5	36
D/W TEMP GE 80 (F)	0	0	0	1	2	5	10	8	2	#	0	0	29	36
D/W TEMP GE 70 (F)	0	0	1	4	12	17	22	22	13	3	0	0	94	36
D/W TEMP LT 33 (F)	16	14	9	2	#	0	0	0	0	1	7	14	63	36
D/W TEMP LT 20 (F)	5	2	1	0	0	0	0	0	0	0	1	3	12	36
HEATING DEGREE DAYS	0	0	0	0	0	0	0	0	0	0	0	0	0	11
COOLING DEGREE DAYS	0	0	0	0	0	0	0	0	0	0	0	0	0	11
MEAN DEWPOINT TEMP (F)	31	29	36	40	47	52	56	56	52	47	38	34	44	10
MEAN WET BULB TEMP (F)	34	33	40	46	53	58	61	61	56	50	40	36	48	10
99.95% WCPA (FT)	1350	1350	1250	1050	1000	750	650	700	850	1100	1100	1400	1100	10
MEAN REL HUM 07 LST(%)	89.1	84.4	85.5	82.7	80.8	80.0	81.9	84.9	89.2	91.2	89.8	90.7	85.5	10
MEAN REL HUM 13 LST(%)	81.6	73.4	69.0	61.3	58.3	59.4	58.1	58.6	64.7	73.0	79.0	83.8	68.1	10
MAX 24HR PRECIP (IN)	1.21	1.12	1.07	1.94	1.51	2.22	2.14	1.36	1.88	2.30	1.81	1.70	2.30	38
MAX PRECIP (IN)	3.82	4.28	4.15	4.21	6.56	5.10	5.94	5.32	4.19	6.28	4.25	5.54	36.76	38
MEAN PRECIP (IN)	1.52	1.48	1.45	1.87	2.01	2.80	2.15	2.28	1.97	1.45	2.13	2.07	25.74	38
MIN PRECIP (IN)	.49	.27	.35	.23	.64	.54	.30	.04	.44	.20	.83	.45	16.52	38
D/W PRECIP GE .01 (IN)	14	10	12	11	12	13	11	12	10	10	12	13	140	38
D/W PRECIP GT .50 (IN)	1	1	1	1	1	1	1	1	1	1	1	1	12	38
MAX 24HR SNFL (IN)	6.0	6.0	3.3	3.6	#	0	#	0	0	.4	4.9	5.7	6.0	38
MAX SNFL (IN)	8.4	17.8	5.5	3.6	#	0	#	0	0	.4	7.5	13.3	30.7	38
MEAN SNFL (IN)	3.9	4.1	1.7	.1	0	0	#	0	0	#	2.5	4.1	18.4	38
D/W SNFL GE .1 (IN)	4	3	1	1	0	0	0	0	0	#	1	3	13	38
D/W SNFL GE 1.5 (IN)	1	1	1	#	0	0	0	0	0	0	1	1	5	38
MAX DLY SNO DEPTH (IN)	8	12	6	#	0	0	0	0	0	0	4	6	12	38
PRVING WND DIR (DEG)	\$20-22	\$20-22	\$20-22	\$20-22	\$20-22	\$20-22	\$23-25	\$23-25	\$20-22	\$20-22	\$20-22	\$20-22	\$20-22	10
MEAN WND SPD (KTS)	5	5	5	5	4	4	4	3	4	4	4	5	4	10
MAX WND SPD (KTS)	50	64	68	49	41	43	42	31	35	44	50	47	68	27
SKY COVER GT 5/10 (%)	*	*	*	*	*	*	*	*	*	*	*	*	*	*
D/W THUNDERSTORMS	1	1	1	2	4	5	4	4	2	1	#	1	26	38
D/W FOG (VSBY LT 7 MI)	23	19	19	15	16	16	17	19	22	24	23	23	236	38

LEGEND: ANN = ANNUAL

D/W = MEAN NUMBER OF DAYS WITH

= BASED ON LESS THAN FULL MONTHS

** = INSTANTANEOUS PEAK WINDS

* = DATA NOT AVAILABLE

POR/YOR = PERIOD/YEARS OF RECORD

WCPA = WORST CASE MAXIMUM PRESSURE ALTITUDE

= LESS THAN 0.5 DAYS OR TRACE AS APPLICABLE

\$ = PERCENTAGE OF CALM WINDS GREATER THAN OR EQUAL TO MEAN WIND DIRECTION

		PERCENT OCCURRENCE FREQUENCY OF CEILING AND VISIBILITY													
MONTH		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YOR
CIG LT 3000 FT AND/OR VSBY LT 3 MI	LST														
	00 - 02	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	03 - 05	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	06 - 08	59.7	47.8	43.0	26.0	23.2	17.1	13.2	20.8	32.4	47.0	49.4	51.6	35.9	10
	09 - 11	56.6	43.9	37.7	24.3	16.6	14.2	6.9	11.2	20.1	39.0	42.7	48.1	30.1	10
	12 - 14	48.1	36.3	28.2	16.1	10.9	11.3	3.3	5.3	7.6	28.8	31.8	42.5	22.5	10
	15 - 17	43.1	31.6	19.8	11.3	7.3	8.2	2.1	3.1	5.2	16.2	30.3	41.1	18.3	10
	18 - 20	48.0	30.3	22.5	8.0	7.2	4.4	1.1	2.2	6.6	23.0	38.2	47.5	19.9	10
	21 - 23	46.2	30.7	27.1	12.5	9.8	6.6	3.2	5.7	7.6	25.0	38.4	50.3	21.9	10
	ALL	50.5	37.2	30.0	17.2	13.0	11.0	5.2	8.6	14.3	30.1	38.1	46.1	24.3	10
CIG LT 1500 FT AND/OR VSBY LT 3 MI	00 - 02	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	03 - 05	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	06 - 08	43.2	32.0	30.6	20.3	16.1	11.1	9.1	18.0	27.6	34.9	34.9	29.8	25.6	10
	09 - 11	38.6	32.3	25.1	13.1	5.7	5.7	3.6	7.0	14.2	26.4	33.0	31.7	19.7	10
	12 - 14	32.1	21.3	12.7	5.5	2.8	2.3	1.4	1.5	3.5	13.0	22.4	25.0	12.0	10
	15 - 17	27.8	17.1	7.9	4.1	2.4	2.0	.3	1.4	2.3	8.3	20.7	23.6	9.8	10
	18 - 20	31.9	20.8	14.0	3.9	2.6	1.5	.4	1.7	4.1	16.0	28.9	31.5	13.1	10
	21 - 23	32.0	21.1	20.3	8.1	7.0	4.2	2.9	5.4	5.2	19.8	30.6	32.2	15.7	10
	ALL	34.3	24.2	18.0	9.6	6.2	4.7	3.0	6.0	10.3	19.4	28.0	28.2	15.4	10
CIG LT 1000 FT AND/OR VSBY LT 2 MI	00 - 02	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	03 - 05	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	06 - 08	27.7	17.1	18.4	11.5	7.8	4.3	4.1	8.7	18.0	24.2	20.5	18.0	15.0	10
	09 - 11	25.3	15.2	12.7	6.2	1.9	2.5	1.6	3.4	5.8	15.8	20.3	17.0	10.6	10
	12 - 14	18.6	9.4	4.7	2.6	.6	.5	.9	.1	1.1	4.3	12.2	12.9	5.7	10
	15 - 17	17.5	7.9	2.6	1.5	1.1	.3	.3	.5	.8	2.2	11.8	11.9	4.9	10
	18 - 20	19.6	8.5	3.5	1.4	1.6	.0	.0	.6	1.9	4.	17.9	14.8	6.2	10
	21 - 23	19.8	8.6	6.8	1.8	2.4	1.0	.0	1.0	3.4	6.1	17.8	18.1	7.2	10
	ALL	21.5	11.2	8.2	4.6	2.6	1.6	1.3	2.6	5.6	9.6	16.5	15.0	8.0	10
CIG LT 200 FT AND/OR VSBY LT 1/2 MI	00 - 02	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	03 - 05	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	06 - 08	2.8	1.9	1.9	3.1	2.2	.9	.6	3.3	5.1	10.4	6.3	3.9	3.5	10
	09 - 11	2.9	2.2	1.5	.3	.0	.0	.0	.1	1.5	3.2	6.9	3.7	1.9	10
	12 - 14	2.3	1.7	.3	.0	.0	.0	.0	.0	.2	.2	2.1	2.1	.7	10
	15 - 17	2.2	1.4	.0	.0	.0	.0	.0	.0	.0	.0	1.7	1.7	.6	10
	18 - 20	1.8	.2	.0	.0	.0	.0	.0	.0	.2	1.0	3.2	2.7	.8	10
	21 - 23	1.2	.0	.0	.0	.0	.0	.0	.0	.0	2.1	3.1	3.5	.8	10
	ALL	2.3	1.4	.7	.7	.4	.2	.1	.7	1.4	2.7	3.9	2.9	1.4	10
HURRICANES/TROPICAL STORMS OBSERVED : NONE															
REMARKS : @															

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